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Published by the National Audubon Society in Collaboration with the U. S. Fish & Wildlife Service

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A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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Cover Photograph of Evening Grosbeak by Allan D. Cruickshank.

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Sixty-first Christmas Bird Count

Edited by Allan D. Cruickshank

WHEN FRANK M. CHAPMAN started the annual Christmas Bird Census in 1900 only 25 reports were turned in, only 27 observers participated. At that time no one could have imagined the tremendous interest that would develop in this annual cooperative project. This year a record-breaking 629 reports were published, 35 more than the record-breaking number the previous year, 107 more than when your present Editor assumed his responsibilities just 6 years ago! If one included all who participated in the count this year—official observers plus their children, friends, neophytes and window-feeder watchers—it is safe to say that over 10,000 people took part in the Sixty-first Christmas Bird Count.

This interest and enthusiasm is welcome and encouraging . . . the more people interested in bird study, the more support essential conservation laws and legislation will receive. Your Editor in no way wishes to diminish this enthusiasm, but the number of counts is getting so large, the task of editing so enormous, that something has to be done to make the editing job easier.

From now on it is imperative that all reports be neatly and legibly presented, that all official count rules be carefully followed. This year 21 reports were rejected either because the compiler failed to follow instructions, or sent in a careless, slovenly report impossible or virtually impossible to decipher. At least 20 other reports should have been rejected because they were so hastily "scrawled together" that it took the Editor twice as long as it should have to get a single one of these reports ready for the printer. **From now on all such careless, illegible, slovenly reports will be returned to the compiler to recopy . . . a word to the wise is sufficient.**

At this point it might be wise to explain why information submitted with some counts is deleted.

Introductory material: Official rules state: "**Type or print clearly,** indicating **distinctly** letters to be capitalized—this is especially important in the introductory, descriptive material. **Condense** introductory material as much as clarity permits and place information in the correct space allotted in the form." Nevertheless a few compilers still hurriedly scribble down confused lists of words which the Editor cannot decipher . . . or which when deciphered would have to be condensed considerably and recopied.

Additional races: Some compilers may wonder why the additional race information at the end of their report has been deleted. In most cases deletion was due to the fact that no information was given as to what the races were. If a race is to be included in a report some information must be given in the bird list in the following manner: Canada Goose, 500 (2 Hutchins'); Horned Lark, 75 (10 Northern); Palm Warbler, 450 (some Yellow); Rufous-sided Towhee, 48 (2 Spotted); Oregon Junco, 150 (4 Pink-sided), etc.

Secondly, only races which are readily distinguishable in the field are accepted. Certainly reports with 15 additional races indicated without explanation cannot be taken seriously. In some cases the presence of 15 additional races may be a possibility, but identifying them satisfactorily without collecting is an impossibility or too open to error to be acceptable. A letter of indignation was received from one compiler because his 2 additional races of Robin, 2 additional races of Redwinged Blackbird, 2 additional races of Song Sparrow, etc., etc., were deleted!

Birds seen count period, but not on count day: If you wish this information printed not only **must** the correct A.O.U. Check-list names be given, but they **must** be presented in correct check-list order. Substitute names or abbreviations such as W. F. Goose, Baldpate, Bluebill, Fish Hawk, Mocker, Chewink or Chippy will not be accepted. Please remember, too, that rules request numbers, places, and other information not be placed in this space . . . just species in correct order.

Next season a sample count will be printed on the back of the official rules sheet each compiler receives annually. Please keep this before you as a guide for correct order and style of presentation. Even correct listing of participants alphabetically in the standard way printed in *Audubon Field Notes* would save the Editor considerable time. Example: Mr. and Mrs. Robert Brown, Joseph Hoover (compiler), Roger White. Please not Mr. & Mrs., or Mr. + Mrs., and surely not Brown, Robert, Mr. & Mrs.,
Hoover, Joseph (compiler),
White, Roger.

Highest Count For Each State or Province

State or Province	Number of Counts	Highest Count
Hawaii	1	Honolulu (34)
Nova Scotia	3	Cole Harbour–Chezzetcook (57)
New Brunswick	5	Saint John (32)
Quebec	6	Hudson (27)
Ontario	22	Hamilton (96)
Saskatchewan	1	Saskatoon (23)
Alberta	3	Calgary (31)
British Columbia	5	Vancouver (115), Victoria (115)
Alaska	3	Homer (28)
Maine	7	Castine (55)
New Hampshire	7	Coastal New Hampshire (58)
Vermont	5	Burlington (39)
Massachusetts	14	Cape Cod (112)
Rhode Island	2	South Kingston (94)
Connecticut	9	New London (112)
New York	40	Southern Nassau County (118)
New Jersey	19	Cape May (134)
Pennsylvania	30	Glenolden (98)
Delaware	3	Bombay Hook National Wildlife Refuge (117)
Maryland	13	Ocean City (124)
District of Columbia	1	Washington (89)
Virginia	19	Back Bay National Wildlife Refuge (129)
North Carolina	10	Wilmington (138)
South Carolina	8	Charleston (140)
Georgia	11	Brunswick (114)
Florida	23	Cocoa (200)
Ohio	33	Cincinnati (72)
West Virginia	6	Huntington (75)
Kentucky	7	Louisville (73)
Tennessee	11	Nashville (79)
Alabama	3	Dauphin Island (130)
Mississippi	4	Bayou Caddy–Pass Christian (102)
Michigan	19	Detroit (51)
Indiana	14	Lafayette (66)
Illinois	16	Crab Orchard Wildlife Refuge (60), Western Mercer County (60)
Wisconsin	22	Madison (57)
Minnesota	13	Excelsior (43)
Iowa	17	Davenport (73)
Missouri	7	Orchard Farm (64)
Arkansas	5	Lonoke (93)
Louisiana	5	Sabine National Wildlife Refuge (153)
North Dakota	6	Bismarck (41)
South Dakota	9	Rapid City (42)
Nebraska	12	Scottsbluff (47)
Kansas	11	Topeka (61)
Oklahoma	13	Oklahoma City (81)
Texas	36	Laguna Atascosa National Wildlife Refuge (158)
Montana	6	Ennis (43)
Wyoming	2	Casper (45)
Colorado	13	Colorado Springs (74), Jefferson County (74)
New Mexico	7	Roswell (76)
Idaho	1	Nampa (42)
Utah	2	Bear River Migratory Bird Refuge (41)
Arizona	7	Santa Cruz Valley (97)
Nevada	1	Ash Meadows (39)
Washington	7	Seattle (100)
Oregon	7	Portland (91)
California	36	Tomales Bay (174)

Fortunately the great majority of compilers have had years of experience and take their responsibility seriously. They painstakingly fill in their report forms neatly, legibly, and accurately. Most check and recheck their reports before mailing them to Audubon House. Before submitting reports most compilers eliminate all unusual birds reported without convincing details, or not verified by observers of recognized skill and accuracy. Most compilers faithfully attach to their reports substantiating details for observations rare or unusual for their particular region at Christmas time. This is essential if the present high standard of the Christmas Bird Count is to be maintained. To all such compilers the Editor once more expresses his appreciation for their understanding and cooperation.

Compilers are the backbone of the Christmas Bird Count. They must be good at field identification and know the status of all birds in their region at Christmas time. They must have courage to question any report of a rare discovery, and courage enough to delete it from the list if evidence is unconvincing. If a club has its report rejected, carelessly presented, finds species deleted, or sees [no details—ED.] inserted after all or most unusual species, it is high time they select a new compiler . . . one with great knowledge of local birdlife, one with sufficient courage to delete all questionable or unsatisfactory reports, one with a willingness to prepare a neat, legible report.

A few clubs have the unfortunate and dangerous habit of choosing a different compiler annually, or of having their Secretary (who may know little about what is and what is not rare locally at Christmas time) prepare the report merely because she is Secretary. Please remember your compiler should be one of your best-informed birders in your area.

Of the 629 Counts accepted this year, 18 reported 140 or more species. Although Florida led with 6, it was overshadowed by California which produced 5 of the 7 highest. Texas also had 5 in the 140 or above category. Thus 3 states accounted for 16 of the 18 highest counts.

Forty-five Canadian reports were published. Again British Columbia produced the highest counts in the Dominion with Vancouver and Victoria tied for top place with 115 species. To accomplish this Vancouver put 50 observers in the field, almost twice as many participants as Victoria. Orange-crowned Warblers were recorded at both Ladner and Vancouver. A Lewis' Woodpecker, Dickcissel (caught and banded), and Lincoln's Sparrow at Victoria are outstanding.

The 18 high counts were:

Cocoa, Fla.	200
Tomales Bay, Calif.	174
Morro Bay, Calif.	162
San Diego, Calif.	160
Laguna Atascosa National Wildlife Refuge, Tex.	158
Crystal Springs, Calif.	158
Oakland, Calif.	154
Sabine National Wildlife Refuge, La.	153
Coot Bay—Everglades National Park, Fla.	150
Freeport, Tex.	150
St. Marks, Fla.	147
Panacea, Fla.	146
Houston, Tex.	145
Bentsen State Park, Tex.	144
LaSal Vieja, Tex.	144
Jacksonville, Fla.	142
Charleston, S. C.	140
St. Petersburg, Fla.	140

The eastern half of Canada had a major flight of Snowy Owls, some areas reporting the greatest number in over a decade. In Ontario, Deep River, Hamilton and Kirkland Lake reported the exciting Hawk-Owl. Most interesting was a phenomenal invasion or concentration of buteos across south-central Ontario. Here are a few high counts for these 2 species:

	Red-tailed Hawk	Rough-legged Hawk
Central York County	18	16
Hamilton	97	44
London	31	28
St. Thomas	54	37
Toronto	54	21
West Elgin	109	89

Several compilers attributed this hawk concentration to the unusual abundance of field voles. Dougald Murray, compiler for West Elgin, thought the great abundance of voles may have been the result of a rabies epidemic in Ontario that almost wiped out the fox population, as well as killing off most of the skunks. All these data concerning hawks, foxes and skunks again emphasizes the important role of predation in nature's complex web of life.

Three counts came from the new state of Alaska. Homer which produced the largest list of 28 species, included a careful identification of a Kittlitz's Murrelet, probably the first time this species has been listed on any Christmas Count.

In parts of New England and New York many reports mentioned 14-17-inch snowfalls during or just prior to count period. Cape Ann and Newburyport called it the greatest Decem-

ber snowstorm ever recorded. This snow in conjunction with numerous freezes and abnormally low temperatures makes one marvel that in general lists were so good.

In New England, Cape Cod, Mass. and New London, Conn. were high counts with 112 species each. Winter finches in general were scarce, but the Snowy Owl flight was good. Newburyport, Mass. mentioned 25 in one day just prior to count day. Other outstanding records were a magnificent white-phased Gyrfalcon at Cape Ann, Mass.; Varied Thrush at Coastal New Hampshire and New Hampton, N. H.; an unquestionable Black-and-white Warbler from late November to December 29 on Mt. Desert Island, Me., and a Blue Grosbeak coming regularly to a feeder in New London, Conn.

A note from William Stoddard, compiler for New Haven, Conn., emphasizes another conservation problem which the National Audubon Society is doing its utmost to control or prevent. An estimated 1000 barrels (42,000 gallons) of industrial fuel oil spilled in New Haven harbor 8 days prior to the local Christmas Bird Count. The count figures showed a total of 1400 ducks and shore birds, exclusive of gulls, within that 15-mile diameter circle; the number of dead ducks tallied within the harbor area on count day came to a staggering total of 445. A subsequent check with game officials indicated at least 1000 ducks perished due to this oil spillage.

New York with 40 counts again turned in the greatest number of reports of any state or province. Snowy Owls were sprinkled across Long Island. In fact, hawk and owl figures for the state were high as far south as New York City. Buffalo, our city nearest to the hawk concentration in Ontario, likewise reported an amazing 59 Red-tailed Hawks plus 12 Rough-legged Hawks. Syracuse listed 35 Red-tails and 33 Rough-legs. Other cities in upper New York State reported unusual numbers of buteos. Outstanding records include a Brant far inland at Elmira, 3 Barrow's Goldeneyes at Geneva, Black-legged Kittiwake at the Montezuma National Wildlife Refuge, and Red-bellied Woodpecker from Northern Nassau County.

Moving down the coast we find the Joseph Cadbury party assigned to record the Bullock's Oriole present at Cape May, N. J. missing that species, but turning up a Black-headed Grosbeak! In New Jersey the most unusual finds were Eared Grebe at Barnegat, Broad-winged Hawk at Cape May, Marbled Godwit at Oceanville, 2 McCown's Longspurs (probably new for New Jersey) carefully identified in Sussex County. William Middleton, compiler for Gloucester County, points out the continued population increase in this section for the Mockingbird. In fact, he uses the term "explosive increase" listing 109 individuals against only 7 just 7 years before. Adolf Herzog, compiler for Lower Bucks County, Pa. considered the Mockingbird a rare visitor to his area until 1950, yet 38 were recorded within their count circle this time. O. K. Stevenson, compiler for New Bloomfield, Pa., afield for owls at 10 p.m. wrote: "The most remarkable find, the last bird of the day, was a Mockingbird singing in the light of a full moon . . . this was indeed surprising coming across a snow-covered field on January 1."

The Snowy Owl flight reached Pennsylvania, Maryland, the District of Columbia, and singles dipped as far south as Otter Creek Park, Ky. and **Dalton, Ga. (bird killed Dec. 11)**. Pittsburgh listing 6 Black-billed Magpies in Highland Park reported that these escapes were now breeding locally and seemed well established. A Cattle Egret, Fulvous Tree Duck, and Swainson's Thrush remained as far north as the Back Bay National Wildlife Refuge, Va. for Christmas. A Fulvous Tree Duck also lingered at Mattamuskeet National Wildlife Refuge, N. C. where 9 were seen December 10. Other noteworthy finds were Blue Grosbeak at a feeder in Little Creek, Va., male Orchard Oriole at 20 ft. in Newport News, Va., Gray-cheeked Thrushes at both Charleston and Hilton Head Island, S. C., and 8 Tree Sparrows at Clemson, S. C.

As might be expected, Florida with its mild climate produced many large lists, including many exciting birds. A carefully planned coverage at Cocoa by 46 experienced observers, aided by lucky weather conditions produced a new record for the U. S. with 200 species. A series of light, widely scattered showers kept landbirds active all day, and all parties returned with higher than usual lists. In Florida, 5 counts reported a total of 29 Scissor-tailed Flycatchers, 8 counts a total of 28 Western Kingbirds, 3 counts a total of 4 Brewer's Blackbirds. Other outstanding Florida reports include: Brown Booby, Am. Flamingo, Iceland Gull, Bewick's Wren, and Bay-breasted Warbler at Cocoa. The Iceland Gull remained at Port Canaveral through the winter, and was joined in February by a Glaucous Gull! Other unusual finds were 2 Gray Kingbirds at Bradenton, Bahama Duck and Kentucky Warbler at Coot Bay–Everglades National Park, Kiskadee Flycatcher and 96 Smooth-billed Anis at Fort Lauderdale, 2 Sooty Terns at Key West, Yellow Rail at St. Marks, Am. Golden Plover at Tangerine–Mt. Dora, Vermilion Flycatcher at Titusville. Even more exciting and important than all these rarities was

the report from Key Largo–Plantation Key of many nesting birds, including 193 plus Roseate Spoonbills with an early crop of 173 young.

Cincinnati again led all Ohio counts with 72 species. To do this they used 74 observers, 2 more observers than birds. Utica, Ohio with only 9 observers reported 70 species suggesting that there were more species present in this count circle than around Cincinnati. Columbus, Ohio reported 7 Barn Owls, including a pair with 4 fledged young at a nest cavity. Other noteworthy discoveries include 3 Oldsquaws at Cincinnati, Lincoln's Sparrow at Memphis, Tenn., Harris' Sparrows as far east as Henderson, Ky. and Warren, Ohio. A King Eider frozen to the ice at Ashtabula, Ohio was taken to a pumping station and thawed out, but it later died—specimen preserved. Albert Ganier of Nashville, Tenn. described a spectacular Robin roost containing an estimated 800,000 birds!

Dauphin Island led all Alabama counts with 130 species, including Rough-legged Hawk and Red-breasted Nuthatch way down in this Gulf Coast area. But the most outstanding records for Alabama were a male Orchard Oriole and Gray-cheeked Thrush at Birmingham, White-winged Dove and Wood Thrush at Dauphin Island, and an almost unbelievable 12 Black Terns at Mobile.

Mississippi, a state which has often gone unrepresented on Christmas Bird Counts, sent in 4 interesting lists. Lovett Williams by himself recorded 102 species at Bayou Caddy–Pass Christian indicating a great potential for this up-to-now unheralded Mississippi Gulf Coast.

Around the Great Lakes severe weather does not permit large December lists, but enthusiastic birders went afield, reported having an exciting time, and came up with some very interesting observations. In Michigan which borders that section of Ontario reporting the great buteo concentration, many areas reported exceptionally high counts of Red-tailed Hawks . . . Ann Arbor listed 43, Imlay City 42. A King Rail at Kalamazoo, Virginia Rail at Northville, Yellowthroat at Owosso, and an almost incredible 2 Lincoln's Sparrows at Detroit stand out on Michigan reports. Moving westward we find Broad-winged Hawks carefully identified at Lafayette, Ind., Western Mercer County, Ill., and Davenport, Iowa. Other unusual finds were Oldsquaws at Decatur, Ill. and Rockford, Ill., 20 McCown's Longspurs among the more usual Lapland Longspurs at the Morton Arboretum near Lisle, Ill., and Purple Sandpiper at Waukegan, Ill.

Reports west of the Great Lakes indicate only a light Snowy Owl flight. The well-organized group at Madison, Wis. found 57 species to lead all of Wisconsin and Minnesota. Cedar Waxwings, perhaps influenced by an excellent crop of Mountain Ash berries, lingered in unusual number in Minnesota, but only a few Bohemian Waxwings appeared. A male Yellow-headed Blackbird seen by 5 observers at Excelsior, Minn. deserves special mention. A crippled King Rail was seen at Davenport, Iowa and a crippled White Pelican on Squaw Creek National Wildlife Refuge, Mo. Every Christmas we get reports of crippled birds attempting to survive far north of their normal winter grounds.

In Louisiana a well-organized, hard-working group of 24 observers at the Sabine National Wildlife Refuge saw 153 species. They had an Oldsquaw, 2 Rough-legged Hawks and 4 Short-eared Owls, all remarkable for this Gulf of Mexico location. The 91 Sprague's Pipits was their outstanding find, and may be a new Christmas Count number-record for the entire United States. New Orleans reported a Common Nighthawk present since November, and an even more exciting 133 Roseate Spoonbills. In recent years on the Louisiana coast there has been an encouraging increase of spoonbills, not only in the breeding season, but in winter as well.

Cattle Egrets, which already nest in Louisiana, were reported by 3 of the 5 counts from that state, indicating a steady westward increase of this attractive invader from the Old World. Cattle Egrets were reported even farther west in Texas: at Freeport, Welder Wildlife Refuge, Aransas National Wildlife Refuge, and Laguna Atascosa National Wildlife Refuge. It should be pointed out that this species has already nested on the National Audubon Society Sanctuary of Green Island in Laguna Madre near the Mexican border.

In recent years Ash-throated Flycatchers have been appearing annually in Louisiana. By now this species may have been fairly well established as a winter visitor had it not been for the unnecessary collecting of every individual possible daring to appear in that state.

In the Northern Great Plains an estimated 55,839 Snow Buntings on the Des Lacs National Wildlife Refuge, N. Dak. may have established a new number-record for Christmas Bird Counts. Fifty Sandhill Cranes lingered as far north as Kearney, Nebr. Other noteworthy finds in the western interior United States were Oldsquaw at Great Falls, Mont. and Rocky Mountain National Park, Colo.; White-winged Scoter at Loveland, Colo.; 2044 Piñon Jays at Santa Fe, N. Mex.; and 3 Harris' Sparrows at Hyde Park, Utah. The most important item in the interior

of the United States, however, was the great lowland invasion of Cassin's Finches. Twenty were seen at Hays, Kans. In Oklahoma, 161 were seen at Boise City, 221 at Kenton–Black Mesa, and 12 on the Wichita Mountains National Wildlife Refuge. Seven Colorado counts and 3 New Mexico counts mentioned great flights of Cassin's Finches. In Texas one appeared at El Paso, and 8 as far southeast as Plainview.

Texas, like Florida and California, produced so many large interesting lists that one must study the counts to get a satisfactory picture. Bentsen State Park with records of Wood, Swainson's and Gray-cheeked Thrushes may well be the first count to have had these 3 species on a single Christmas Count list. Houston also reported Wood Thrush; LaSal Vieja also Swainson's Thrush. Other noteworthy finds in this large state were 2 Masked Ducks and a Virginia Warbler at Laguna Atascosa National Wildlife Refuge; Black-bellied Tree Ducks at Bentsen State Park, LaSal Vieja, and the Santa Ana National Wildlife Refuge; Black Rail and Blue Grosbeak on the Welder Wildlife Refuge; and 3 Rough-legged Hawks at Odessa. One of these hawks accidentally killed by a car is the first specimen for the southern plains area. Eight Steller's Jays, 115 Piñon Jays and 25 Cañon Wrens give a strong western flavor to the count from Davis Mountains. Thirty Steller's Jays also appeared at El Paso, a major flight for this locality.

In Arizona, 4 Ross' Geese present on the Imperial National Wildlife Refuge since November 5 were seen by numerous observers, and successfully photographed. A beautiful male Painted Redstart was studied for 10 minutes at Atascosa Peak, 6 White-winged Doves were seen at Nogales, and Rufous-winged Sparrows were found both in the Santa Catalina Mountains and Santa Cruz Valley circles.

In Oregon, 4 late Cinnamon Teal and a very rare Oldsquaw were spotted on the Malheur National Wildlife Refuge. Fort Klamath reporting a remarkable 131 Rough-legged Hawks correlates this great number with a major field mouse outbreak.

The wealth of birdlife in California is pointed up by 19 counts with over 100 species, 5 above 150. Tomales Bay with 40 well-organized keen observers again won top place in the state with 174 species. The abundance of waterbirds in this choice area is shown by such numbers as Red-throated Loon, 1687; Western Grebe, 1462; Black Brant, 2605. For the second successive year this group found one of the few December records for Am. Golden Plover in the United States. But Morro Bay with only 16 observers reported 162 species, the third highest count in the United States, suggesting the possibility that 40 well-organized experts in this area could take top place away from Tomales Bay. Morro Bay's outstanding finds were 2 carefully identified Glaucous Gulls and a definite Western Flycatcher. San Diego with 160 species ranked third in the state, fourth in the nation. This report included such choice items as Black Petrel, 3 Oldsquaws, Swainson's Thrush, and most noteworthy 5 species of hummingbirds.

There was a good flight of Varied Thrushes in the state, Oakland reporting 1223, or about 4 times as many as their previous high. Oakland, too, had a remarkable Summer Tanager which was seen by numerous observers, and was still present on January 29. Starlings continue to spread in California. Crystal Springs had 187. Orange County (central coastal) reported 10 and added "perhaps our first county record." Palo Alto reported 165, a first for that area. Other noteworthy finds in the state were 100 Wood Ducks at Angwin, 2 Barn Swallows carefully identified in Contra Costa County, Hermit Warbler at Monterey, Black-throated Gray Warbler at Palo Alto, and 2 Harris' Sparrows at Santa Cruz County (western).

John Bishop has asked me to point out that last year the quantities for Brandt's and Pelagic Cormorants on the San Diego Count were inadvertently and inexplicably reversed. The number of Pelagic Cormorants should read 7, not 2666. In fact, it is questionable whether there are 2666 Pelagic Cormorants on all of the California coast.

1. **Honolulu, Hawaii** (all points within a 15-mile diameter circle; same general area and coverage as last 6 years).—Dec. 26; 6:45 a.m. to 4:20 p.m. Generally cloudy, intermittent showers; temp. 68° to 79°; wind S, 1-10 m.p.h. Fourteen observers in 4 parties. Total party-hours, 19 (14 on foot, 5 by car); total party-miles, 29 (10 on foot, 19 by car). ► Brown Booby, 53; Red-footed Booby, 1315; Great Frigate-bird, 827; Black-crowned Night Heron, 7; Mallard, 4; Pintail, 43; Am. Widgeon, 45; Shoveler, 14; Ring-necked Pheasant, 7; Am. Coot, 780; Am. Golden Plover, 146; Ruddy Turnstone, 62; Wandering Tattler, 17; Sanderling, 2; Hawaiian Stilt, 104; Glaucous-winged (possibly Glaucous?) Gull, 2; Bonaparte's Gull, 3; Pomarine Jaeger, 4; Spotted Dove, 55; Barred Dove, 135; Japanese Varied Tit, 3; Red-billed Leiothrix, 115; Mockingbird, 2; Shama, 8; Elepaio, 46; Myna, 192; White-eye, 109; Apapane, 64; Amakihi, 24; House Sparrow, 111; Ricebird, 252; Cardinal, 53; Brazilian Cardinal, 28; House Finch, 24. **Total,** 34 species, about 4656 individuals.—Ann Halsted, Grenville Hatch (compiler), Unoyo Kojima, Al Labrecque, David Lupton, Blanche Pedley, Paul Schaefer, Euphie Shields, Van Southwick, Virginia Southwick, Elizabeth Stephenson, Frank Stephenson, Margaret Titcomb, Marion Zeitler (Hawaii Audubon Society and guests).

2. **Midway Atoll, Pacific Ocean** (all points within 4500 yards of southeastern tip of Sand Island; total land area 1389 acres, Scaevola brush 32%, fields 20%, residential and industrial 15%, lagoon 10%, Casuarina woodland 9%, beaches 9%, paved areas 5%).—Dec. 29; 6 a.m. to 10:50 p.m. Partly cloudy a.m., showers p.m.; temp. 65° to 73°; wind SW to WNW, 0-11 m.p.h. Four observers in 3 parties (3rd party afield 1½ hrs. around sunset). Total party-hours, 20½ (10 on foot, 10 by bicycle, ½ by boat); total party-miles, 44 (11 on foot, 29 by bicycle, 4 by boat). ► Black-footed Albatross, 5740; Laysan Albatross, 37,575; Bonin Island Petrel, 2500; Red-tailed Tropic-bird, 10; Blue-faced Booby, 2; Red-footed Booby, 140; Great Frigate-bird, 20; Pintail, 3; Am. Golden Plover, 232; Ruddy Turnstone, 486; Bristle-thighed Curlew, 6; Wandering Tattler, 9; Sanderling, 12; Common Noddy, 16; Hawaiian Noddy, 780; Fairy Tern, 390; Short-eared Owl, 5; Canary, 10. **Total,** 18 species; about 47,936 individuals.—Robert P. Northrop, Chandler S. Robbins (compiler), Ernest H. Tougas, Edward P. Wilson.

3. **Cole Harbour–Chezzetcook, Nova Scotia** (all points within a 15-mile diameter circle, center Mineville as in previous years; mixed second-growth woods 45%, salt water 30%, fresh water 10%, salt and brackish ponds and marshes 10%, farms and settlements 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Mostly cloudy, visibility good; temp. 40° to 45°; wind SW, 10-15 m.p.h.; ground bare, most fresh and brackish water frozen, heavy swell at sea. Fifteen observers in 6 parties. Total party-hours, 39 (19 on foot, 20 by car); total party-miles, 136 (30 on foot, 106 by car). ► Common Loon, 8; Red-necked Grebe, 7; Horned Grebe, 22; **Am. Bittern, 1** (seen well—L.M., J.M.); Canada Goose, 500; Black Duck, 165; Greater Scaup, 11; Common Goldeneye, 131; Bufflehead, 2; Oldsquaw, 107; White-winged Scoter, 5; Surf Scoter, 3; Common Merganser, 14; Red-breasted Merganser, 27; Goshawk, 1; Bald Eagle, 1; **Pigeon Hawk, 1**; Sparrow Hawk, 3; Common Snipe, 1; **Sanderling, 9**; Iceland Gull, 9; Great Black-backed Gull, 350; Herring Gull, 1150; Ring-billed Gull, 2; Black-headed Gull, **18**; Dovekie, 1; Snowy Owl, 1; Belted Kingfisher, 1; Downy Woodpecker, 3; Horned Lark, 12; Gray Jay, 14; Blue Jay, 9; Common Raven, 25; Common Crow, 150; Black-capped Chickadee, 51; Boreal Chickadee, 30; White-breasted Nuthatch, 1; Brown Creeper, 3; **Winter Wren, 1**; Robin, 4; Golden-crowned Kinglet, 27; Water Pipit, 2; Starling, 1425; House Sparrow, 280; Redwinged Blackbird, 1; Rusty Blackbird, 1; Common Grackle, 14; Brown-headed Cowbird, 116; Am. Goldfinch, 2; Savannah Sparrow, 20; Slate-colored Junco, 72; **Oregon Junco, 1** (J.C., S.F.); Tree Sparrow, 2; White-throated Sparrow, 8; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 29. **Total,** 57 species; about 4856 individuals. (Seen in area count period, but not on count day: Red-throated Loon, **Bonaparte's Gull,** Short-eared Owl, Eastern Meadowlark, Snow Bunting.)—B. W. Allen, Mrs. B. W. Allen, C. R. Allen, Ethel Craythorne, John Comer, Ronald Dicks, Fred Dobson, Mrs. J. W. Dobson, Sylvia Fullerton, L. B. Macpherson (compiler), J. A. McCarter, W. J. Mills, H. P. Moffatt, William Take (Nova Scotia Bird Society).

4. **Halifax, Nova Scotia** (all points within a 15-mile diameter circle, center Henry Lake on Old Sambro Road as in previous years; second growth woods, mostly conifer 50%, open barrens 15%, salt water 15%, fresh water 7%, small farms 7%, city and villages 6%).—Dec. 23; 7:45 a.m. to 4:15 p.m. Snow flurries, then sunny; temp. 35° to 40°; wind SE, 5-10 m.p.h.; 2-in. snow on ground, fresh and most brackish water frozen, sea moderate, visibility mostly good. Twenty-three observers in 3 parties and at 18 feeding stations. Total party-hours, 22 (9 on foot, 13 by car); total party-miles, 88 (15 on foot, 73 by car). ► Common Loon, 3; Red-necked Grebe, 2; Horned Grebe, 4; Great Cormorant, 26; Black Duck, 5; Common Goldeneye, 2; Common Eider, 7; Red-breasted Merganser, 6; Goshawk, 1; **Pigeon Hawk, 1**; Ruffed Grouse, 1; Purple Sandpiper, 4; Great Black-backed Gull, 370; Herring Gull, 1200; Ring-billed Gull, 1; Hairy Woodpecker, 8; Downy Woodpecker, 13; Horned Lark, 5; Gray Jay, 9; Blue Jay, 24; Common Raven, 9; Common Crow, 59; Black-capped Chickadee, 69; Boreal Chickadee, 18; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 5; Brown Creeper, 2; **Mockingbird, 1** (regular at feeder); **Brown Thrasher, 1** (regular at feeder); Robin, 5; Golden-crowned Kinglet, 27; Starling, 5000; **Orange-crowned Warbler, 1**; House Sparrow, 1500; Common Grackle, 6; Brown-headed Cowbird, 76; Evening Grosbeak, 25; Savannah Sparrow, 1; Slate-colored Junco, 46; Tree Sparrow, 5; Song Sparrow, 7. **Total,** 41 species; about 8563 individuals. (Seen in area count period, but not on count day: Iceland Gull, Black-headed Gull, Rusty Blackbird.)—C. R. Allen, W. J.

Chute, John Comer, Fred Dobson, L. P. Macpherson (compiler), J. A. McCarter, W. J. Mills, Mrs. C. L. Torey (Nova Scotia Bird Society).

5. **West Middle Sable, Nova Scotia** (all points within a 15-mile diameter circle, center West Middle Sable schoolhouse; West Middle Sable, Hemeon Head, Matthews Lake and Sable River through East Sable River to Johnson's Pond).—Dec. 31; 7 a.m. to 5:20 p.m. Mostly cloudy; temp. 26° to 38°; wind SW, 5-15 m.p.h.; ground bare, larger water areas open. Five observers, 2 in 2 active parties, 3 at feeding stations. Total party-hours, 16 (11 on foot, 1 by car, 4 by bicycle); total party-miles, 71 (13 on foot, 40 by car, 18 by bicycle). ► Common Loon, 1; Horned Grebe, 5; Great Cormorant, 32; Canada Goose, 1140; Black Duck, 111; Common Goldeneye, 2; Bufflehead, 24; Oldsquaw, 7; Common Merganser, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Great Black-backed Gull, 47; Herring Gull, 460; Great Horned Owl, 1; Hairy Woodpecker, 1; Gray Jay, 10; Blue Jay, 8; Common Crow, 27; Black-capped Chickadee, 14; Robin, 2; Golden-crowned Kinglet, 2; Starling, 24; House Sparrow, 6; Am. Goldfinch, 3; Lapland Longspur, 1; Snow Bunting, 1. **Total,** 27 species; about 1933 individuals. (Seen in area count period, but not on count day: Downy Woodpecker, Common Raven, Boreal Chickadee, Slate-colored Junco, Tree Sparrow.)—Betty Dingwall, Harrison F. Lewis (compiler), Laura N. Lewis, Mrs. Cecil Thompson, Harold F. Tufts.

6. **Fredericton, N. B.** (all points within a 15-mile diameter circle, center at Fredericton city limit to east and south bank of St. John River; open farmland and urban 40%, mostly coniferous woods 60%).—Dec. 26; 8 a.m. to 4:45 p.m. Snow, then clear; temp. 30° to 33°; wind NW, 0-5 m.p.h.; 6-in. snow, ground and streams frozen. Twenty-four observers in 7 parties, 4 at feeders only. Total party-hours, 52 (36 on foot, 16 by car); total party-miles, 155 (15 on foot, 140 by car). ► Common Goldeneye, 3; Goshawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 13; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 1; Gray Jay, 10; Blue Jay, 84; Common Raven, 20; Common Crow, 29; Black-capped Chickadee, 50; Boreal Chickadee, 5; Brown Creeper, 1; Robin, 3; Northern Shrike, 1; Starling, 335; House Sparrow, 1800; Common Grackle, 1; Evening Grosbeak, 25; Purple Finch, 1; Pine Siskin, 5; Am. Goldfinch, 14; Tree Sparrow, 8; Song Sparrow, 3; Snow Bunting, 7. **Total,** 27 species; about 2426 individuals. (Seen in area count period, but not on count day: Red-breasted Nuthatch, **Mockingbird,** Golden-crowned Kinglet, Slate-colored Junco, White-throated Sparrow.)—Mrs. R. E. Balch, Prof. and Mrs. N. Rae Brown, E. Currie, Andrew Dean, Glendon Eagles, B. Ellis, Dr. and Mrs. E. M. Hagmeier, A. MacKay, Marguerite McNair, Mrs. W. R. McNeill, Edward D. Maher, Mr. and Mrs. Melvin Moore, Nettie Moore, Mrs. Richardson, C. Saunders, R. Savage, Robert Squires, W. A. Squires (compiler), Mrs. W. A. Squires, I. W. Varty (Fredericton Field Naturalists' Club).

7. **Lepreau, N. B.** (all points within a 15-mile diameter circle, center 1¼ miles SSE of Lepreau Falls; Musquash to Pocologan; mostly coniferous woods 55%, salt water 31%, lakes and marshes 5%, open barrens and fields 4%, tidal shore 3%, small communities 2%).—Dec. 29; 8 a.m. to 4:30 p.m. Overcast, snow late p.m.; temp. 4° to 32°; wind SSW, 0-12 m.p.h.; ground bare, fresh water frozen. Two observers in 1 party. Total party-hours, 8½ (4½ on foot, 4 by car); total party-miles, 93 (3 on foot, 90 by car). ► Common Loon, 6; Horned Grebe, 46; Great Cormorant, 17; Black Duck, 5; Common Goldeneye, 69; Bufflehead, 8; Oldsquaw, 14; Common Eider, 1; White-winged Scoter, 2; **Hooded Merganser,** 1; Common Merganser, 6; Red-breasted Merganser, 7; ducks (sp.), 200; Bald Eagle, 1; Purple Sandpiper, 85; Great Black-backed Gull, 473; Herring Gull, 1236; Black-legged Kittiwake, 34; Razorbill, 57; Thick-billed Murre, 10; alcids (sp.), 100; Hairy Woodpecker, 1; Downy Woodpecker, 1; Gray Jay, 2; Common Raven, 4; Common Crow, 22; Black-capped Chickadee, 16; Robin, 1; Starling, 73; House Sparrow, 1. **Total,** 28 species; about 2499 individuals. —Mrs. C. S. Christie, David Christie (compiler).

8. **Moncton–Shediac, N. B.** (all points within a 15-mile diameter circle, center Lakeville as last year). —Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 15° to 40°; wind W, 5-15 m.p.h.; 3-in. snow on ground. One observer. Total hours, 9 (1 on foot, 8 by car); total miles, 117 (2 on foot, 115 by car). ► Common Goldeneye, 7; Oldsquaw, 6; Common Eider, 300; Common Merganser, 3; Red-breasted Merganser, 4; Ring-necked Pheasant, 3; Glaucous Gull, 1; Great Black-backed Gull, 282; Herring Gull, 375; Ring-billed Gull, 4; Hairy Woodpecker, 1; Blue Jay, 11; Common Raven, 72; Common Crow, 6; Black-capped Chickadee, 2; Robin, 1; Golden-crowned Kinglet, 2; Starling, 1200; House Sparrow, 500; Evening Grosbeak, 33; Common Redpoll, 6. **Total,** 21 species; about 2819 individuals. (Seen in area count period, but not on count day: Redwinged Blackbird.)—Fred Bone.

9. **Sackville, N. B.** (all points within a 15-mile diameter circle, center at Sackville Post Office, including Dorchester, Wood Point, Minudie Marsh, Fort Lawrence, Upper Point de Bute, Midgic Aboushagan Road, Fairfield; salt water and shores 15%, fields and marshes 35%, second-growth spruce, birch, aspen woods 45%, town and villages 5%).—Dec. 24; 7:15 a.m. to 4:45 p.m. Clear; temp. 11° to 22°; wind W, 5-10 m.p.h.; 1-in. new snow, tidal water open, fresh water frozen. Five observers in 4 parties. Total party-hours, 18 (10 on foot, 6 by car, 2 at feeding station); total party-miles, 94 (27 on foot, 67 by car). ► Rough-legged Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 2; Great Black-backed Gull, 9; Herring Gull, 105; Horned Lark, 1; Blue Jay, 1; Common Raven, 18; Common Crow, 10; Black-capped Chickadee, 4; Boreal Chickadee, 37; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 10; Starling, 115; House Sparrow, 168; Common Grackle, 1; Evening Grosbeak, 4; Snow Bunting, 60; fringillids

(sp.), 3. **Total,** 18 species; about 553 individuals. (Seen in area count period, but not on count day: Pigeon Hawk.)—C. O. Bartlett, A. J. Erskine (compiler), Mrs. A. J. Erskine, Mr. and Mrs. D. McPhail.

10. Saint John, N. B. (all points within a 15-mile diameter circle, center 45°19′ N, 66°6′ W; Rothesay almost to Spruce Lake, Woodman's Pt. to Red Head; woods 52%, fresh water 21%, salt water 11%, residential 10%, city 4%, mud flats 2%).—Dec. 26; 6:30 a.m. to 5 p.m. Overcast, dark; temp. 22° to 42°; wind S, 0-20 m.p.h.; 3-in. snow, much snow on trees. Eight observers in 7 parties plus 18 feeding station reports. Total party-hours, 38 (33 on foot, 5 by car); total party-miles, 102 (30 on foot, 72 by car). ► Black Duck, 251; Common Goldeneye, 14; Bufflehead, 1; Common Merganser, 1; **Sparrow Hawk, 1**; Gray Partridge, 3; Glaucous Gull, 1; Iceland Gull, 4; Great Black-backed Gull, 527; Herring Gull, 2812; **Black-headed Gull, 1**; Hairy Woodpecker, 9; Downy Woodpecker, 23; Gray Jay, 3; Blue Jay, 28; Common Raven, 71; Common Crow, 157; Black-capped Chickadee, 188; Boreal Chickadee, 8; White-breasted Nuthatch, 4; Brown Creeper, 2; Robin, 2; Golden-crowned Kinglet, 28; **Ruby-crowned Kinglet, 1** (at feeders); Starling, 1041; House Sparrow, 452; Slate-colored Junco, 6; Tree Sparrow, 25; White-throated Sparrow, 3; **Fox Sparrow, 1** (at feeder); Song Sparrow, 4; sparrow (sp.), 4; Snow Bunting, 60. **Total,** 32 species; about 5736 individuals. (Seen in area count period, but not on count day: Common Loon, Red-breasted Merganser, Rough-legged Hawk, Ruffed Grouse, Snowy Owl, Evening Grosbeak.)—David Christie (compiler), Florence Christie, Lillian Christie, Roy E. Forrester, Jane Hazen, Mabelle MacCoubrey, Stuart MacFarlane, Murray Watters.

11. Arvida, Que. (all points within a 15-mile diameter circle, center same as last 4 years; mixed woods 68%, farmland 22%, residential and industrial 3%, fresh water 6%, tidal water 1%).—Dec. 26; 8 a.m. to 4 p.m. Cloudy, light to moderate snow; temp. 4° to 5°; wind N, 0-3 m.p.h.; 6-9-in. powdered snow, water frozen except swift rivers. Eleven observers in 8 parties. Total party-hours, 26 (14 on foot, 12 by car); total party-miles, 126 (16 on foot, 110 by car). ► Common Goldeneye, 8; Common Merganser, 11; Hairy Woodpecker, 4; Downy Woodpecker, 1; Gray Jay, **9** (common all fall); Blue Jay, 4; Common Crow, 11; Black-capped Chickadee, 35; Northern Shrike, 3; Starling, 70; House Sparrow, 180; Evening Grosbeak, 46; Pine Grosbeak, 1; Common Redpoll, 110; White-winged Crossbill, 4; **White-throated Sparrow, 2** (at feeder daily). **Total,** 16 species; about 499 individuals. (Seen in area count period, but not on count day: Ruffed Grouse, Brown Creeper, **Song Sparrow**.)—P. W. Browne (compiler), Jon Collins, Sylvio Girolami, Peter Gummer, W. K. Gummer, Don Pearson, Mrs. E. Stokes, Aime Trudel.

12. Hudson, Que. (all points within a 15-mile diameter circle, center St. Lazare, including Ottawa River from Hudson Heights to Como, St. Lawrence River between Coteau and Cedars; mixed woods 29%, farmlands 70%, villages including Whitlock and Pine Lake Sanctuaries 1%, over 30 feeders).—Jan. 2; 7:30 a.m. to 4:30 p.m. Mainly cloudy; temp. 14° to 15°; wind SW, 10-15 m.p.h.; 18-20-in. snow on ground, most water frozen. Eighteen observers in 10 parties. Total party-hours, 77 (20 on foot, 9 by car, 7 by ski and snowshoe, 41 at feeders); total party-miles, 134 (16 on foot, 110 by car, 8 by ski and snowshoe). ► **Canada Goose, 7**; Black Duck, 8; Common Goldeneye, 67; Rough-legged Hawk, 1; Sparrow Hawk, 1; Gray Partridge, 21; Herring Gull, 3; **Mourning Dove, 1**; Screech Owl, 1; Hairy Woodpecker, 9; Downy Woodpecker, 11; Blue Jay, **142** (highest in 21 years); Common Crow, 4; Black-capped Chickadee, 233; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Robin, 4; Golden-crowned Kinglet, 1; Starling, 13; House Sparrow, 166; Evening Grosbeak, 9; Common Redpoll, 50; Pine Siskin, 66; Am. Goldfinch, 6; Slate-colored Junco, 3; Tree Sparrow, 15; Snow Bunting, 332. **Total,** 27 species; about 1189 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker, Winter Wren, Common Grackle, Red Crossbill.)—Vi Bryan, Ellen and Ted Chambers, Amy and Marnie Clarke, Peg and Gerald Golden, Alf Kelly, Bert Knox, Ross Leverette, Sheila and Bob Macduff, Harry Marpole, Lois and Keith Pitcairn, Mary Pyke, Drucilla Riley, Jo Wright (compiler).

13. Lennoxville, Que. (all points within a 15-mile diameter circle, center about half way between Lennoxville and Magog City Power Dam; including 7 feeding stations).— Dec. 26; 7:30 a.m. to 4:30 p.m. Overcast; temp. 28° to 35°; wind SE, 5 m.p.h.; very little open water other than Lake Massawippi, 12-in. snow cover. Eighteen observers in 5 parties. Total party-hours, 31 (22 on foot, 9 by car); total party-miles, 167 (16 on foot, 151 by car). ► Common Goldeneye, 7; Barrow's Goldeneye, 1; Common Merganser, 12; Ruffed Grouse, 8; Herring Gull, 5; Hairy Woodpecker, 11; Downy Woodpecker, 9; Gray Jay, 1; Blue Jay, 31; Common Crow, 3; Black-capped Chickadee, 114; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 3; **Robin, 1**; Starling, 54; House Sparrow, 240; Common Grackle, 1; Evening Grosbeak, **219**; Purple Finch, 6; Pine Grosbeak, 18; Am. Goldfinch, 22; White-winged Crossbill, 25; Tree Sparrow, 6. **Total,** 23 species; about 809 individuals. (Seen in area count period, but not on count day: Northern Shrike, Common Redpoll, Snow Bunting.)—Gordon Biard, A. P. Campbell, Mr. and Mrs. Freeman Clowery (compilers), Mrs. Curzon Dobell, Colin Dobell, H. Doheny, Mr. and Mrs. Rixford Knight, Emily LeBaron, Mr. and Mrs. E. R. McLenahan, Donald Patriquin, J. G. Patriquin, Mrs. F. R. Pattison, H. A. Simons, D. Tector, George Wilson (St. Francis–Massawippi Bird Club).

14. Montreal, Que. (all points within a 15-mile diameter circle, center at intersection of Sherbrooke St. and Decarie Blvd. as last year).—Dec. 26; 8:30 a.m. to 4:30 p.m. Snowing all day; temp. 27° to 32°; wind S to N, 4-6 m.p.h.; 12-in. snow, river mostly

frozen. Twenty-four observers in 7 parties. Total party-hours, 32 (28 on foot, 4 by car); total party-miles, 82 (44 on foot, 38 by car). ► Mallard, 22; Black Duck, 376; Pintail, 1; Common Goldeneye, 542; Common Merganser, 14; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 40; Great Black-backed Gull, 2; Screech Owl, 1; Snowy Owl, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 3; Common Crow, 7; Black-capped Chickadee, 4; White-breasted Nuthatch, 1; Brown Creeper, 4; Northern Shrike, 1; Starling, 106; House Sparrow, 260; Tree Sparrow, 29; Swamp Sparrow, 1; Song Sparrow, 12; Snow Bunting, 450. **Total,** 26 species; about 1898 individuals. (Seen in area count period, but not on count day: Robin, Evening Grosbeak.)—C. Ballantyne, Mr. and Mrs. J. Black, J. Delafield, P. DuBoulay, J. Earthrowl, D. Garneau, L. Gray, C. Hare, A. Kelly, Mr. and Mrs. D. Knight, R. Lepingwell, Brother Mathias, I. McLaren (compiler), G. Montgomery, J. Montgomery, Mrs. A. Reekie, Mrs. F. Roberts, J. Robinson, J. Rolland, D. Ryan, D. Sergeant, J. Spenser (Province of Quebec Soc. for the Protection of Birds).

15. Quebec, Que. (all points within a 15-mile diameter circle, center St. Augustin; Ste. Foy to Quebec bridge, Bois de Coulonges, Quebec seaport to Island of Orleans bridge, Montmorency River, Lévis, Charlesbourg, Quebec Zoological Garden; town suburbs 20%, fields 18%, coniferous forest 6%, deciduous woods 7%, mixed woodlands 34%, shores 15%). —Dec. 26; 7 a.m. to 3:45 p.m. Snow; temp. 16° to 25°; wind NE, 10-15 m.p.h.; 16-22-in. snow on ground, streams partly open, abundant icefields on St. Lawrence River. Twenty-two observers in 8 parties. Total party-hours, 37 (30 on foot, 7 by car); total party-miles, 94 (31 on foot, 63 by car). ► Black Duck, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Ruffed Grouse, 2; Snowy Owl, 1; Barred Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 2; Blue Jay, 24; Common Crow, 90; Black-capped Chickadee, 60; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Robin, 1; Starling, 394; House Sparrow, 536; Common Grackle, 2; Evening Grosbeak, 3; Purple Finch, 12; Pine Grosbeak, 2; Common Redpoll, 84; Am. Goldfinch, 4; Song Sparrow, 1; Snow Bunting, 84. **Total,** 24 species; about 1321 individuals. (Seen in area count period, but not on count day: **Gryfalcon,** Golden-crowned Kinglet, White-winged Crossbill.)—Nicole Barry, Raymond Cayouette (compiler), Brother Charles-Aimé, Christian Cholette, Denis Hamel, François Hamel, Lise Henry, Nicole Henry, Jean Huot, Josette Lapointe, Louis Lemieux, Gaston Lepage, Denis Lever, Louis-A. Lard, Henri Ouellet, Rev. Robert Plante, René St.-Laurent, Henri Talbot (Le Club des Ornithologues).

16. Vale Perkins, Que. (all points within a 15-mile diameter circle, center Vale Perkins; lakeside, mountainous country, wooded roadside).—Dec. 31; 8 a.m. to 4 p.m.; temp. 28° to 30°; wind W, 2 m.p.h. One observer. Total hours, 8 (all on foot); total miles, 4 (all on foot). ► Lesser Scaup, 4; **White-winged Scoter, 5**; Ruffed Grouse, 8; Hairy Woodpecker, 3; Blue Jay, 4; Black-capped Chickadee, 8; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Pine Grosbeak, 7; Pine Siskin, 15; **White-winged Crossbill, 23**; Slate-colored Junco, 2. **Total,** 12 species; 86 individuals. (Seen in area count period, but not on count day: Brown Creeper, Downy Woodpecker, House Sparrow, Common Crow.)—Mrs. Eric Sullivan.

17. Bancroft, Ont. (all points within a 15-mile diameter circle, center Bancroft; mixed woods 40%, spruce bogs 20%, farmland and open fields 20%, town 20%).—Dec. 27; 7:30 a.m. to 4 p.m. Clear; temp. −20° to −2°; no wind; 5-in. old snow, 4-in. new snow, waters frozen. One observer. Total hours, 8½ (5 on foot, 3½ by car); total miles, 75 (5 on foot, 70 by car). ► Goshawk, 1; Red-tailed Hawk, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 15; Blue Jay, 25; Common Raven, 1; Black-capped Chickadee, 47; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 3; Starling, 6; House Sparrow, 56; Evening Grosbeak, 2; Purple Finch, 1; Pine Siskin, 27; Am. Goldfinch, 7; White-winged Crossbill, 17; Slate-colored Junco, 4; Tree Sparrow, 14; Snow Bunting, 92. **Total,** 20 species; about 338 individuals.—Earl Stark.

18. Blenheim, Ont. (all points within a 15-mile diameter circle, center south of Blenheim, including Rondeau Provincial Park, Erieau, Cedar Springs, Guilds, Morpeth, Charing Cross as in former years; lake surface 10%, town 1%, farmland 72%, woodland 12%, marsh 5%).—Jan. 2; 8:30 a.m. to 5 p.m. Overcast, snowy; temp. 22° to 27°; wind SE, 5 m.p.h.; Rondeau Bay frozen, Lake Erie frozen with open pools, floating ice in channel. Twenty-one observers in 5 parties. Total party-hours, 35 (27 on foot, 8 by car); total party-miles, 152 (42 on foot, 110 by car). ► Snow Goose, 2; Black Duck, 2; Canvasback, 1; Common Goldeneye, 4; Bufflehead, 2; Hooded Merganser, 7; Common Merganser, 22; Red-breasted Merganser, 2; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 2; Rough-legged Hawk, **28**; Marsh Hawk, 13; Sparrow Hawk, 1; Bobwhite, 5; Ring-necked Pheasant, 2; Herring Gull, 28; Mourning Dove, **131**; Long-eared Owl, 4; Short-eared Owl, 6; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 25; Downy Woodpecker, 49; Horned Lark, 22; Blue Jay, 57; Common Crow, 21; Black-capped Chickadee, 19; White-breasted Nuthatch, 22; Brown Creeper, 8; **Brown Thrasher, 1**; Robin, 4; Eastern Bluebird, 2; Golden-crowned Kinglet, 2; Cedar Waxwing, 94; Northern Shrike, 1; Starling, 5460; House Sparrow, 849; Common Grackle, 46; Brown-headed Cowbird, 3; Cardinal, 63; Purple Finch, 1; Am. Goldfinch, 31; Rufous-sided Towhee, **30**; Slate-colored Junco, 96; **Oregon Junco, 1**; Tree Sparrow, 411; Field Sparrow, 38; White-crowned Sparrow, 1; White-throated Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 17; Snow Bunting, 6. **Total,** 54 species; about 7678 individuals. (Seen in area count period, but not on count day: Bald Eagle, Snowy Owl, Carolina Wren.)—J. A. Begg, Richard Begg, Robin Begg,

L. J. Bohn, W. J. Carnahan, H. English, W. M. Gray, George Kerr, Tom Kerr, W. Kerr, Earl Lemon, Mr. and Mrs. D. MacLulich, P. Prevett, R. Prevett, M. Sass, Patricia Sass, Mr. and Mrs. R. D. Ussher, Annalee Wressell, H. B. Wressell (compiler) (Kent Nature Club).

19. Brockville, Ont. (all points within a 15-mile diameter circle, center at King and Broad Streets, including St. Lawrence River; open water 20%, open farmland 50%, deciduous woodland 20%, coniferous woodland 7%, marsh 1%, urban 2%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Overcast, some snow and rain; temp. 30° to 36°; wind SW, 10 m.p.h. Fifteen observers in 7 parties. Total party-hours, 59 (23 on foot, 36 by car); total party-miles, 391 (35 on foot, 356 by car). ► **Pied-billed Grebe, 1** (carefully identified); Black Duck, 110; Greater Scaup, 124; Common Goldeneye, 1700; Common Merganser, 57; Goshawk, 1; **Cooper's Hawk, 1** (all field marks); Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 30; Ring-necked Pheasant, 6; Gray Partridge, 21; Great Black-backed Gull, 2; Herring Gull, 114; Ring-billed Gull, 128; **Snowy Owl, 2**; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 23; Blue Jay, 65; Common Crow, 2; Black-capped Chickadee, 274; White-breasted Nuthatch, 34; **Winter Wren, 1**; Golden-crowned Kinglet, 6; Cedar Waxwing, 29; Northern Shrike, 7; Starling, 198; House Sparrow, 1150; Redwinged Blackbird, 1; Brown-headed Cowbird, 5; **Cardinal, 1** (at feeder 3 weeks); Am. Goldfinch, 13; White-winged Crossbill, 6; Slate-colored Junco, 2; Tree Sparrow, 225; Song Sparrow, 3; Snow Bunting, 650. **Total,** 38 species; about 5001 individuals.—J. Bayly (compiler), A. Bell, K. Buell, C. Dutkal, M. Edwards, D. Hurrie, I. Jarvie, M. Jarvie, E. Johnston, R. Johnston, L. Lowther, H. Lapp, R. Ogletree, A. Strong, A. Warren (Brockville Nature Club).

20. Carleton Place, Ont. (all points within a 15-mile diameter circle, center bridge over Mississippi River in Carleton Place).—Dec. 26; 8 a.m. to 4 p.m. Heavy snow all day; temp. 31° to 26°; wind NW, 3-5 m.p.h.; 6-8-in. snow. Ten observers in 5 parties. Total party-hours, 40; total party-miles, 283 (21 on foot, 262 by car). ► Black Duck, 13; Common Goldeneye, 2; Common Merganser, 1; Ruffed Grouse, 31; Hairy Woodpecker, 2; Horned Lark, 1; Blue Jay, 29; Black-capped Chickadee, 86; White-breasted Nuthatch, 4; Robin, 1; Golden-crowned Kinglet, 5; Northern Shrike, 3; Starling, 80; House Sparrow, 935; Common Redpoll, 61; Pine Siskin, 140; Am. Goldfinch, 59; White-winged Crossbill, 2; Slate-colored Junco, 6; Tree Sparrow, 29; Snow Bunting, 1120. **Total,** 21 species; about 2610 individuals.—John Bird, A. G. Bland, D. D. Findlay, D. H. Findlay, George E. Findlay (compiler), W. F. Findlay, R. Frith, R. Lighthart, E. H. Ritchie, Beverley Stanzel.

21. Central York County, Ont. (all points within a 15-mile diameter circle, center Bond Lake, including Armitage, Aurora, Gormley, King City, Langstaff, Maple, Richmond Hill, Richvale, Vandorf; residential 10%, farmland 65%, mixed woods 22%, marsh 2%, frozen lake 1%).—Dec. 31; 8 a.m. to 4:30 p.m. Overcast; temp. 30° to 33°; wind SW, 10-0 m.p.h.; 3-in. snow. Thirty-five observers in 9 parties. Total party-hours, 51 (27 on foot, 24 by car); total party-miles, 324 (43 on foot, 281 by car). ► Great Blue Heron, 1; Black Duck, 2; Cooper's Hawk, 1; Red-tailed Hawk, **18**; Red-shouldered Hawk, 1; Rough-legged Hawk, **16**; Marsh Hawk, 1; Sparrow Hawk, 19; Ruffed Grouse, 1; Ring-necked Pheasant, 55; Herring Gull, 6; Ring-billed Gull, 1; Screech Owl, 1; Long-eared Owl, 5; Short-eared Owl, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 4; Hairy Woodpecker, 21; Downy Woodpecker, 58; Blue Jay, 53; Common Crow, 10; Black-capped Chickadee, 290; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 2; Golden-crowned Kinglet, 10; Cedar Waxwing, 9; Northern Shrike, 8; Starling, 234; House Sparrow, 807; Cardinal, 33; Purple Finch, 15; Pine Siskin, 166; Am. Goldfinch, 386; White-winged Crossbill, 5; Slate-colored Junco, 202; **Oregon Junco, 1**; Tree Sparrow, 154; Song Sparrow, 11; Snow Bunting, 195. **Total,** 41 species; about 2847 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Snowy Owl, Barred Owl, Belted Kingfisher, Red Crossbill, Rufous-sided Towhee, White-throated Sparrow, Swamp Sparrow.)—Ottelyn Addison, Jim Baillie, Isobel Boardman, Bob Campbell, Stu Harwood, Tom Hassall, Helen Hogg, David Hogg, James Hogg, Dean Hughes, Lloyd Hughes, Jane Langley, Lillian Langstaff, Jack Large, John Lunn (compiler), Edwin Mead, Helen Sanderson, Gerry Shemilt (Richmond Hill Naturalists).

22. Deep River, Ont. (all points within a 15-mile diameter circle, center Deep River, extending to Rolphton and Petawawa Experimental Forest, including Ottawa River as in former years).—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. −10° to 10°; wind NW, light; lakes and most of Ottawa River frozen. Sixteen observers in 4 parties. Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 138 (13 on foot, 125 by car). ► Common Loon, 1; Common Merganser, 23; Bald Eagle, 1; Ruffed Grouse, 10; Herring Gull, 2; **Hawk-Owl, 1** (still present Jan. 10—many observers); Hairy Woodpecker, 10; Downy Woodpecker, 3; Blue Jay, 24; Common Raven, 74; Black-capped Chickadee, 71; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 18; Brown Creeper, 4; House Sparrow, 46; Evening Grosbeak, 91; Purple Finch, 27; Pine Grosbeak, 51; Common Redpoll, 55; Pine Siskin, 25; Am. Goldfinch, 127; White-winged Crossbill, 43; Tree Sparrow, 2; Snow Bunting, 98. **Total,** 24 species; about 808 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker, Red Crossbill.)—F. S. Armstrong, G. A. Bartholomew, M. J. Cliff, J. H. Collins, K. Collins, D. G. Henshaw, C. A. Herriot, P. Lewis, Mrs. C. A. Mawson, B. Miles, C. H. Millar, I. Ophel (compiler), J. B. Santon, H. J. Sproule, P. B. Walker, W. H. Walker.

23. Dryden, Ont. (all points within a 15-mile diameter circle, center Dryden, north sector covering

Broadtail, Pronger and Rice Lakes, southwest sector 5 miles on South Road, east and southeast sectors along Lakeshore and Trans Canada Highways).—Jan. 1; 8 a.m. to 5:30 p.m. Clear a.m., snow p.m.; temp. -20° to 0°; wind W to E, 5 m.p.h. Three observers in 1 party. Total party-hours, 9½ (3 on foot, 6½ by car); total party-miles, 41 (3 on foot, 38 by car). ► Pileated Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 3; Gray Jay, 11; Blue Jay, 11; Common Raven, 75; Black-capped Chickadee, 63; Red-breasted Nuthatch, 2; Bohemian Waxwing, 30; Northern Shrike, 3; Starling, 15; House Sparrow, 12; Evening Grosbeak, 20; Pine Grosbeak, 47; Common Redpoll, 25. **Total,** 15 species; about 326 individuals. —John H. Godden, Laura A. Howe (compiler), Norman I. Howe.

24. Hamilton, Ont. (all points within a 15-mile diameter circle, center at York and Dundurn Sts., including Hamilton, Burlington, Dundas, West Flamboro, Ancaster, Sulphur Springs, Southcote, Hannon, Stoney Creek, Waterdown, Lake Medad; pasture 10%, plowland 10%, towns and suburbs 10%, orchards and old fields 20%, mixed woods 35%, marshes 5%, open water 10%).—Dec. 26; 7 a.m. to 5:30 p.m. Overcast, drizzle p.m.; temp. 30° to 38°; wind SW to NNE, 8-5 m.p.h.; 5-in. snow on ground, harbor frozen. Seventy observers in 31 parties. Total party-hours, 178 (146 on foot, 32 by car); total party-miles, 497 (202 on foot, 295 by car). ► Horned Grebe, 5; **Eared Grebe,** 1 (carefully identified—R.M., G.N.); **Pied-billed Grebe,** 1 (on street, far from water); Great Blue Heron, 2; **Am. Bittern,** 1 (R.M., G.N.); **Canada Goose,** 1; Mallard, 194; Black Duck, 151; **Green-winged Teal,** 1 (drake); **Shoveler,** 1; Ring-necked Duck, 1; Canvasback, 2; Greater Scaup, 54; Lesser Scaup, 2; Common Goldeneye, 347; Bufflehead, 15; Oldsquaw, 145; **Surf Scoter,** 1 (present 3 weeks); Ruddy Duck, 2; Common Merganser, 1200; Red-breasted Merganser, 59; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, **97**; Red-shouldered Hawk, 1; Rough-legged Hawk, **44**; Marsh Hawk, 2; Sparrow Hawk, 39; Ruffed Grouse, 9; Ring-necked Pheasant, 180; Gray Partridge, 23; Glaucous Gull, 4; Iceland Gull, 1; Great Black-backed Gull, 128; Herring Gull, 10,000; Ring-billed Gull, 120; Mourning Dove, 28; **Barn Owl,** 1 (roosting with Long-eared Owls); Screech Owl, 2; Great Horned Owl, 11; Snowy Owl, 4; **Hawk-Owl,** 1 (seen well—R.W.); Long-eared Owl, **65**; Short-eared Owl, **62**; Belted Kingfisher, 10; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 47; Downy Woodpecker, 155; **Black-backed Three-toed Woodpecker,** 1; Horned Lark, 8; Blue Jay, 205; Common Crow, 604; Black-capped Chickadee, 544; White-breasted Nuthatch, 41; Red-breasted Nuthatch, 1; Brown Creeper, 35; Winter Wren, 10; **Carolina Wren,** 2; **Brown Thrasher,** 2 (1 at feeder); Robin, 6; **Eastern Bluebird,** 2; Golden-crowned Kinglet, 79; **Ruby-crowned Kinglet,** 5; Cedar Waxwing, 23; Northern Shrike, 6; Starling, 1300; **Myrtle Warbler,** 3; House Sparrow, 3500; Eastern Meadowlark, 42; Redwinged Blackbird, 12; Rusty Blackbird, 10; Common Grackle, 1; Brown-headed Cowbird, 2; Cardinal, 247; Evening Grosbeak, 5; Purple Finch, 36; Common Redpoll, 1; Pine Siskin, 11; Am. Goldfinch, 420; **Red Crossbill,** 290; **White-winged Crossbill,** 37; **Rufous-sided Towhee,** 1; **Savannah Sparrow,** 2; **Vesper Sparrow,** 2 (all field marks); Slate-colored Junco, 940; **Oregon Junco,** 1; Tree Sparrow, 770; **Chipping Sparrow,** 1 (seen well); Field Sparrow, 2; **White-crowned Sparrow,** 13; White-throated Sparrow, 2; Swamp Sparrow, 19; Song Sparrow, **168**; Lapland Longspur, 4; Snow Bunting, 58. **Total,** 96 species; about 22,500 individuals. [Excellent details submitted for all unusual observations—Ed.] (Seen in area count period, but not on count day: Common Loon, Redhead, Bald Eagle, Pigeon Hawk, Long-billed Marsh Wren, Yellowthroat.)—R. D. Bourne, Don Bucknell, William I. Campbell, Kenneth J. Cox, Robert Curry, Edward Dinniwell, James A. Dowall, Peter Hamel, Ralph Idema, A. E. LeWarne, Robert G. MacLaren, George V. McBride, John B. Miles, Mrs. Dorothy Jane Miller, John J. Miller, Albert B. Nind, Mrs. Laurel E. North, George W. North (compiler), David K. Powell, Robert A. Westmore (Hamilton Naturalists' Club).

25. Kingston, Ont. (all points within a 15-mile diameter circle, center ¼ mile west of Garden Island, including Cataraqui River and Creek, Lake Ontario, St. Lawrence River, Wolfe Island; urban 5%, farmland 25%, mixed woods 15%, marsh 10%, water 45%).—Dec. 30; 7:30 a.m. to 5 p.m. Clear to overcast, light snow; temp. 28° to 34°; wind SW, 15-30 m.p.h.; 6-in. snow on ground, most bays frozen. Nineteen observers in 6 parties. Total party-hours, 66 (43 on foot, 22 by car, 1 by boat); total party-miles, 325 (49 on foot, 270 by car, 6 by boat). ► Horned Grebe, 1; Mallard, 3; Black Duck, 11; Redhead, 40; Canvasback, 2; Greater Scaup, 660; Common Goldeneye, 410; Bufflehead, 2; Oldsquaw, 1; Common Merganser, 725; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, **12**; Marsh Hawk, 3; Sparrow Hawk, 8; Ruffed Grouse, 9; Gray Partridge, 36; Glaucous Gull, **25**; Iceland Gull, 2; Great Black-backed Gull, 113; Herring Gull, **3700**; Ring-billed Gull, 600; Mourning Dove, 1; Great Horned Owl, 1; Snowy Owl, **15** (13 on Wolfe Island); Belted Kingfisher, 1; Hairy Woodpecker, 15; Downy Woodpecker, 33; **Horned Lark,** 3 (carefully identified—J.B., M.E.); Blue Jay, 37; Common Crow, 39; Black-capped Chickadee, 250; White-breasted Nuthatch, 37; Brown Creeper, 8; Robin, 1; Golden-crowned Kinglet, 3; Northern Shrike, 3; Starling, 485; Myrtle Warbler, 1; House Sparrow, 750; Redwinged Blackbird, 8; Common Grackle, 16; Evening Grosbeak, 1; Purple Finch, 9; Am. Goldfinch, 1; Slate-colored Junco, 7; Tree Sparrow, 220; Song Sparrow, 7; Lapland Longspur, **340** (285 on Wolfe Island); Snow Bunting, **3000**. **Total,** 51 species; about 11,658 individuals. (Seen in area count period, but not on count day: Ring-necked Duck, Red-breasted Merganser, Peregrine Falcon, Long-eared Owl, Eastern Meadowlark, Brown-headed Cowbird, White-winged Crossbill.)—J. C. Bayly, A. E. Bell, Mr. and Mrs. B. Dutka, K. F. Edwards, M. H. Edwards (compiler), F. N. Hainsworth, J. G. Hill, A. M. Hutchison, A. E. Hyde, Mr.

and Mrs. P. E. Little, L. H. Lowther, N. Mansfield, E. Moses, H. Quilliam, A. M. Strong, J. A. Warren, G. Woods (Kingston Nature Club).

26. Kirkland Lake, Ont. (all points within a 15-mile diameter circle, center on Highway 112, ½ mile north of Dane as in previous years).—Dec. 26; 6:15 a.m. to 5:15 p.m.; temp. −13° to 5°; wind N, 10 m.p.h.; 5-in. snow in open, 6-in. in bush, lakes frozen, streams partly open. Eight observers in 4 parties. Total party-hours, 27 (13 on foot, 14 by car); total party-miles, 173 (24 on foot, 149 by car). ► Ruffed Grouse, 2; Great Horned Owl, 1; **Hawk-Owl, 1**; Hairy Woodpecker, 13; Downy Woodpecker, 4; Black-backed Three-toed Woodpecker, 2; Gray Jay, 10; Blue Jay, 5; Common Raven, 16; Black-capped Chickadee, 80; Boreal Chickadee, 3; Red-breasted Nuthatch, 6; Bohemian Waxwing, 4; Northern Shrike, 1; Starling, 19; House Sparrow, 24; Evening Grosbeak, 74; Purple Finch, 27; Pine Grosbeak, 141; Common Redpoll, 114; Pine Siskin, 56; White-winged Crossbill, 101; Snow Bunting, 454. **Total,** 23 species; about 1158 individuals.—Mrs. L. Bouchard, Fred Helleiner (compiler), George Honer, Mr. and Mrs. R. J. McClanahan, Percy Richter, Ian Robertson, Frank Washington (Kirkland Lake Nature Club).

27. Lifford, Ont. (all points within a 15-mile diameter circle, center Lifford; mixed and deciduous woods 35%, coniferous 10%, open fields and village 55%).—Dec. 24; 6:50 a.m. to 4:50 p.m. Clear to cloudy; temp. −2° to 8°; wind SE, light; 4-in. snow cover. Two observers in 1 party. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 78 (8 on foot, 70 by car). ► Great Blue Heron, 3; Rough-legged Hawk, 2; Ruffed Grouse, 17; Ring-necked Pheasant, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; **Gray Jay, 1** (a few ft. away); Blue Jay, 15; Black-capped Chickadee, 29; Golden-crowned Kinglet, 1; Northern Shrike, 1; Starling, 1; House Sparrow, 7; Evening Grosbeak, 22; Pine Siskin, **160**; Am. Goldfinch, **78**; White-winged Crossbill, 20; Slate-colored Junco, **23**; Tree Sparrow, **153**; Song Sparrow, 1; Snow Bunting, 404. **Total,** 22 species; about 943 individuals.—Dave Calvert, Earl Calvert (compiler).

28. London, Ont. (all points within a 15-mile diameter circle, center in London; cedar swamp 10%, pasture 10%, woodlot 15%, farmland 15%, marsh 20%, river valley 25%, town and suburbs 5%).—Dec. 26; 8 a.m. to 5 p.m. Rain and snow; temp. 37° to 24°; wind SW to NW, 15 m.p.h.; 8-10-in. snow on ground, river and streams frozen except in rapids. Twenty-nine observers in 13 parties. Total party-hours, 104 (80 on foot, 24 by car); total party-miles, 200 (85 on foot, 115 by car). ► Mallard, 7; Black Duck, 266; Lesser Scaup, 2; Common Goldeneye, 320; Common Merganser, 93; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, **31**; Red-shouldered Hawk, 2; Rough-legged Hawk, **28**; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 6; Ring-necked Pheasant, 108; **Common Snipe, 1**; Herring Gull, 105; Ring-billed Gull, 13; Mourning Dove, 112; Screech Owl, 4; Great Horned Owl, 4; Long-eared Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 12; Yellow-shafted Flicker, 1; Hairy Woodpecker, 21; Downy Woodpecker, 127; Blue Jay, 155; Common Crow, 15; Black-capped Chickadee, 264; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 2; Brown Creeper, 50; Winter Wren, 13; **Mockingbird, 1** (on same feeder as last year); Robin, 11; Golden-crowned Kinglet, 60; **Ruby-crowned Kinglet, 1**; Cedar Waxwing, 10; Northern Shrike, 2; Starling, 492; House Sparrow, 1902; Eastern Meadowlark, 1; **Redwinged Blackbird, 2**; **Common Grackle, 1** (at feeder all month); Cardinal, 448; Purple Finch, 12; Common Redpoll, 6; Pine Siskin, 13; Am. Goldfinch, 276; White-winged Crossbill, 26; **Rufous-sided Towhee, 1**; Slate-colored Junco, 298; Tree Sparrow, 340; Field Sparrow, 3; White-throated Sparrow, 6; Swamp Sparrow, 2; Song Sparrow, 47; Lapland Longspur, 5; Snow Bunting, 625. **Total,** 60 species; about 6408 individuals. (Seen in area count period, but not on count day: Fox Sparrow.)—R. Bowman, M. E. Comfort, Frank Cook, Gordon Cummings, Walter Day, Douglas Dow, W. Girling, Peter Graham, Brian Hobbs, C. Hobbs, G. E. Hobbs, W. Jarmain, J. C. Laughton, James W. Leach (compiler), Paul Mackenzie, C. Maddeford, Ted Maddeford, W. Maddeford, Peter Middleton, S. Middleton, Gerd Muller, H. Osbourne, Michael Price, Mrs. G. Robinson, Mrs. B. Spruce, B. Thompson, Eric Tull, Tony Verboom, Brian Whitelaw.

29. Ottawa, Ont. (all points within a 15-mile diameter circle, center Parliament Hill).—Dec. 31; 7:30 a.m. to 4:30 p.m. Continuous light snow; temp. 28° to 16°; wind NE, 5-12 m.p.h.; 10-in. snow, rivers open at rapids. Thirty-six observers in 13 parties. Total party-hours, 80 (49 on foot, 31 by car); total party-miles, 425 (65 on foot, 360 by car). ► Mallard, 2; Black Duck, 80; Common Goldeneye, 132; **Barrow's Goldeneye, 1** (present since Dec. 11); Hooded Merganser, 1; Common Merganser, 39; **Cooper's Hawk, 1**; **Red-tailed Hawk, 1**; Rough-legged Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 18; Ring-necked Pheasant, 13; Gray Partridge, 35; Glaucous Gull, 4; Great Horned Owl, 2; Snowy Owl, 1; Short-eared Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 18; Horned Lark, **167**; Blue Jay, 31; Common Crow, 27; Black-capped Chickadee, 174; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 3; Brown Creeper, 9; Robin, 1; **Hermit Thrush, 1** (at feeder 10 days); Golden-crowned Kinglet, 5; Northern Shrike, 3; Starling, 1241; House Sparrow, 1759; Eastern Meadowlark, 1; Common Grackle, 1; **Brown-headed Cowbird, 1** (at feeder); Purple Finch, 8; Pine Siskin, 167; Am. Goldfinch, 161; White-winged Crossbill, 27; Tree Sparrow, 28; Song Sparrow, 3; Lapland Longspur, 11; Snow Bunting, 1678. **Total,** 45 species; about 5890 individuals. (Seen in area count period, but not on count day: Gray Jay, Red Crossbill.)—Dr. and Mrs. John W. Arnold, Anne Banning, A. G. Bland, Blanche Borkovic, A. E. Bourguignon, Alan Bowles, Kenneth W. Bowles, Howard M. Brown, John Cartwright, Sheila M. Clark, John A. Crosby, Mr. and

Mrs. D. K. Findlay, Dr. and Mrs. Clarence Frankton, Rowley E. Frith, W. Earl Godfrey, Dr. and Mrs. J. W. Groves, G. R. Hanes (compiler), Mrs. G. R. Hanes, Violet Humphreys, Stewart D. MacDonald, G. H. McGee, Christopher Meiklejohn, Eric L. Mills, Frank Munro, Beryl Salter, Dr. and Mrs. D. B. Savile, Dr. and Mrs. D. A. Smith, G. F. Stirrett, Mary Stuart, Stirling Suggett (Ottawa Field-Naturalists' Club).

30. **Pakenham, Ont.** (all points within a 15-mile diameter circle, center stone bridge over Mississippi River in Pakenham Village; fields, farms, deciduous and evergreen woods, river banks, feeding stations).—Dec. 30; 7 a.m. to 5 p.m. Mostly cloudy; temp. 30° to 35°; wind SW, 10 m.p.h.; 13-in. snow on ground. Eight observers in 8 parties. Total party-hours, 29 (21 on foot, 8 by car); total party-miles, 139 (31 on foot, 108 by car). ► Hooded Merganser, 1; Ruffed Grouse, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 11; Common Crow, 10; Black-capped Chickadee, 38; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Starling, 36; House Sparrow, 223; Evening Grosbeak, 10; Common Redpoll, 101; Pine Siskin, 52; Snow Bunting, 684. **Total,** 16 species; about 1188 individuals. (Seen in area count period, but not on count day: Goshawk, Gray Partridge, Herring Gull, Black-backed Three-toed Woodpecker, Am. Goldfinch.)—D. Duego, C. Fishenden, Gayle Gilmour, Verna McGiffin, R. M. McKenzie, Edna G. Ross (compiler), C. Russell, Murray Stewart.

31. **Pickering Township, Ont.** (all points within a 15-mile diameter circle, center same as last year; 20 acres of mixed woodland plus 3 miles of country roads with fields 50%, mixed woodlands 50%, 2 feeding stations).—Dec. 26; 7 a.m. to 3:15 p.m. Overcast, light rain and snow; temp. 32°; wind N, to 5 m.p.h.; ponds frozen. Three observers in 2 parties (1 at feeding station). Total party-hours, 12 (5 on foot, 7 at feeder); total party-miles, 4 (4 on foot). ► Sparrow Hawk, 1; Ruffed Grouse, 1; Herring Gull, 2; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 5; Black-capped Chickadee, 20; House Sparrow, 75; Cardinal, 4; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 8; Slate-colored Junco, 6; Tree Sparrow, 8; Song Sparrow, 1. **Total,** 15 species; about 142 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Red-tailed Hawk, Robin, Northern Shrike.)—Katherine Ketchum, Doris H. Speirs, J. Murray Speirs (compiler).

32. **Port Arthur–Fort William, Ont.** (all points within a 15-mile diameter circle, center in McIntyre Township, including Lake Superior shoreline from Whiskeyjack Point to Bare Point; water 10%, peat and muck bogs 6%, industrial and residential 12%, farmlands 23%, woodlands 49%).—Dec. 26; 8 a.m. to 5:30 p.m. Bright; temp. −11° to 6°; wind WNW, 8-22 m.p.h.; 8-12-in. crusted snow in woods, waters frozen. Eighteen observers in 11 parties. Total party-hours, 35 (14 on foot, 21 by car); total party-miles, 315 (22 on foot, 293 by car). ► Ruffed Grouse, 3; Snowy Owl, 1; Hairy Woodpecker, 9; Downy Woodpecker, 15; Gray Jay, 2; Blue Jay, 26; Common Raven, 58; Common Crow, 17; Black-capped Chickadee, 93; Red-breasted Nuthatch, 6; Robin, 25; Cedar Waxwing, 1; Northern Shrike, 1; Starling, 547; House Sparrow, 2581; **Redwinged Blackbird, 15**; Evening Grosbeak, 116; Purple Finch, 1; Pine Grosbeak, 138; Common Redpoll, 84; Pine Siskin, 29; White-winged Crossbill, 15; Slate-colored Junco, 3; Tree Sparrow, 1; **Song Sparrow, 3**; Snow Bunting, 3. **Total,** 26 species; about 3793 individuals.—A. E. Allin, D. E. Allin, Mrs. R. M. Beckett, Mrs. K. Denis (compiler), N. E. Denis, Mr. and Mrs. Walter Hartley, Joan Hebden, Mrs. W. P. Hogarth, A. May, D. B. McKillop, T. H. Perrons, H. Quackenbush, R. Robb, S. Robb, Mrs. C. Rydholm, Marion Smith, J. Thompson (Thunder Bay Field Naturalists' Club).

33. **St. Thomas, Ont.** (all points within a 15-mile diameter circle, center same as last year).—Dec. 26; 7:30 a.m. to 5:15 p.m. Overcast, rain then snow; temp. 32° to 36°; wind SW to NW, 25 m.p.h.; ground snow covered, inland streams and Lake Erie mostly ice bound. Forty observers in 10 parties. Total party-hours, 83 (58 on foot, 25 by car); total party-miles, 250 (80 on foot, 170 by car). ► Horned Grebe, 1; Canada Goose, 600; Mallard, 367; Black Duck, 967; Common Goldeneye, 14; Hooded Merganser, 3; **Turkey Vulture, 1** (carefully identified—F.L., G.W.); **Goshawk, 1**; Sharp-tailed Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, **54**; Red-shouldered Hawk, 2; Rough-legged Hawk, **37**; **Golden Eagle, 2** (1 still present Jan. 1); Bald Eagle, 3; Marsh Hawk, 21; Sparrow Hawk, 7; Ruffed Grouse, 6; Ring-necked Pheasant, 14; **Common Snipe, 1**; Herring Gull, 478; Ring-billed Gull, 30; Mourning Dove, 196; Screech Owl, 2; Snowy Owl, 3; Long-eared Owl, 6; Short-eared Owl, 1; Belted Kingfisher, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 115; Horned Lark, 5; Blue Jay, 194; Common Crow, 7; Black-capped Chickadee, 305; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 3; Brown Creeper, 9; Winter Wren, 4; Carolina Wren, 2; Golden-crowned Kinglet, 19; Cedar Waxwing, 17; Northern Shrike, 3; **Loggerhead Shrike, 2** (carefully checked by separate parties); Starling, 362; House Sparrow, 1378; Eastern Meadowlark, 71; Redwinged Blackbird, 2; Common Grackle, 2; Brown-headed Cowbird, 13; Cardinal, 198; Purple Finch, 5; Common Redpoll, 1; Am. Goldfinch, 61; Rufous-sided Towhee, 11; **Savannah Sparrow, 1**; Vesper Sparrow, 1; Slate-colored Junco, 583; Oregon Junco, **5**; Tree Sparrow, 722; Field Sparrow, 52; White-crowned Sparrow, 7; White-throated Sparrow, 1; Song Sparrow, 58; Lapland Longspur, 8; Snow Bunting, 80. **Total,** 66 species; about 7158 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Catbird, Rusty Blackbird.)—Mr. and Mrs. E. Allan, L. Auckland, Mr. and Mrs. F. Bell, R. Foster, M. Field (compiler), Elaine Kennedy, J. Lemon, F. Lewis, Mr. and Mrs. J. C. Marr, P. Prevett, J. Ronald, V. Smith, G. Thorman, G. Walls, Mr. and Mrs. G. Wimbush.

34. **Sarnia, Ont.** (all points within a 15-mile di-

ameter circle, center Sarnia; pasture 10%, plowland 20%, lakeshore 15%, river 10%, coniferous growth 10%, marsh 15%, orchard and farm 20%).—Dec. 26; 8 a.m. to 6 p.m. Cloudy, freezing rain and snow; temp. 40° to 20°; wind N, 25-30 m.p.h.; 20-in. snow, some ice in river. Five observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 35 (5 on foot, 30 by car). ► Mallard, 8; Black Duck, 50; Redhead, 25; Canvasback, 600; scaup (sp.), 2; Common Goldeneye, 50; Bufflehead, 1; Oldsquaw, 40; Common Merganser, 4000; Red-breasted Merganser, 4; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 50; Glaucous Gull, 1; Iceland Gull, 1; Herring Gull, 750; Mourning Dove, 7; Snowy Owl, 2; Downy Woodpecker, 1; Blue Jay, 50; Common Crow, 15; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Golden-crowned Kinglet, 2; Starling, 250; House Sparrow, 250; Cardinal, 25; Am. Goldfinch, 5; Slate-colored Junco, 25; Tree Sparrow, 15. **Total,** 30 species; about 6236 individuals. —Robert Grimes, John O. Roberts, Arthur T. Storey, Trevor K. Storey (compiler), J. W. Wynaendts.

35. Sault Ste. Marie, Ont.–Mich. (all points within a 15-mile diameter circle, center in middle of St. Mary's River at ferry crossing; including 11 feeding stations).—Dec. 26; 8 a.m. to 5 p.m. Sunny, scattered cirrus clouds; temp. 7° to 10°; wind N, 9 m.p.h. Twenty-one observers in 9 parties. Total party-hours, 38 (20 on foot, 18 by car); total party-miles, 75 (20 on foot, 55 by car). ► Common Goldeneye, 100; Common Merganser, 2; Herring Gull, 79; Ring-billed Gull, 3; Hairy Woodpecker, 6; Downy Woodpecker, 9; Horned Lark, 22; Gray Jay, 1; Blue Jay, 28; Common Raven, 16; Common Crow, 30; Black-capped Chickadee, 81; White-breasted Nuthatch, 5; Brown Creeper, 1; Starling, 112; House Sparrow, 362; Evening Grosbeak, 20; Purple Finch, 42; Pine Grosbeak, 6; Common Redpoll, 70; Am. Goldfinch, 5; Red Crossbill, 12; White-winged Crossbill, 13; Slate-colored Junco, 1; Tree Sparrow, 6; Song Sparrow, 1; Snow Bunting, 50. **Total,** 27 species; about 1082 individuals. (Seen in area count period, but not on count day: Whistling Swan, Bald Eagle, Ruffed Grouse, Snowy Owl.)—Mrs. R. T. Baker, R. Dennison (compiler), Mrs. Stella Haughton, B. Jeffrey, Mrs. J. P. Kersey, Helen Nattress, R. S. McBain, Mrs. William Rollo, Bessie Stough, Mrs. Rose Sylvester, Mrs. F. Thomas, Harold Williams.

36. Toronto, Ont. (all points within a 15-mile diameter circle, center at Avenue Rd. and Lytton Blvd., including mouth of Mimico Creek, Thornhill, Fallingbrook Rd.; lake 10%, city 25%, suburbs 35%, farmland 20%, woodlots 8%, marsh 2%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Intermittent rain and snow; temp. 30° to 38°; wind N, 5-10 m.p.h.; 3-in. snow on ground, ponds frozen, streams partially open. Forty-six observers in 16 parties. Total party-hours, 93 (74 on foot, 19 by car); total party-miles, 247 (76 on foot, 171 by car). ► Mallard, 920; Black Duck, 869; Pintail, 1; Green-winged Teal, 3; Am. Widgeon, 1; Canvasback, 12; Greater Scaup, 2427; Common Goldeneye, 59; Bufflehead, 73; Oldsquaw, 2871; Common Merganser, 17; Red-breasted Merganser, 2; Goshawk, 1; Red-tailed Hawk, **54**; Rough-legged Hawk, **21**; Marsh Hawk, 5; Sparrow Hawk, 32; Ring-necked Pheasant, 210; Killdeer, 3; Glaucous Gull, 3; Iceland Gull, 1; Great Black-backed Gull, 27; Herring Gull, 3879; Ring-billed Gull, 2280; Mourning Dove, 4; Screech Owl, 2; Great Horned Owl, 7; Snowy Owl, 5; Long-eared Owl, 22; Short-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 33; Downy Woodpecker, 143; Black-backed Three-toed Woodpecker, 3; Blue Jay, 96; Common Crow, 54; Black-capped Chickadee, 258; White-breasted Nuthatch, 43; Brown Creeper, 24; Winter Wren, 3; Carolina Wren, 1; Brown Thrasher, 1; Robin, 9; Hermit Thrush, 1; Golden-crowned Kinglet, 16; Cedar Waxwing, 9; Northern Shrike, 2; Starling, 1289; House Sparrow, 1679; Eastern Meadowlark, 26; Redwinged Blackbird, 2; Brown-headed Cowbird, 9; Cardinal, **114**; Evening Grosbeak, 1; Purple Finch, 44; Common Redpoll, 6; Am. Goldfinch, 192; Red Crossbill, **47**; White-winged Crossbill, **150**; Rufous-sided Towhee, 2; Slate-colored Junco, 428; Oregon Junco, 1; Tree Sparrow, 403; White-throated Sparrow, 8; Song Sparrow, 99. **Total,** 67 species; about 19,018 individuals.—D. H. Baldwin, G. Bennett, F. Bodsworth, R. Brown, R. O. Brown, Ruth Brown, D. E. Burton (compiler), D. Cameron, P. Carey, W. V. Crich, J. H. Dales, D. Elder, F. H. Emery, G. Fairfield, T. S. Farley, A. Gatti, H. M. Halliday, D. Hoeniger, D. J. Hussell, R. F. James, J. A. Livingston, Ruth Marshall, R. McCleary, T. F. McIlwraith, G. B. McKeating, E. Nasmith, J. Norris, D. Pace, R. E. Pannell, L. Pritchard, J. Purkis, W. E. Renison, J. Sherrin, T. M. Shortt, Ruth Stewart, R. R. Taylor, A. Telfer, W. M. Tovell, R. Wallace, Betty Wasserfall, W. J. Wasserfall, Barbara Wilkins, H. D. Wilkins, J. K. Woodford, Patricia S. Woodford, R. Woods.

37. West Elgin, Ont. (all points within a 15-mile diameter circle, center 1 mile north of West Lorne; river and creek gullies 40%, lake shore 20%, cleared farmland and roadside 20%, deciduous woodland 16%, coniferous groves 2%, feeding stations 2%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Light snow, clearing a.m.; temp. 12° to 24°; wind W, 5 m.p.h.; 4-in. snow, water frozen except at rapids. Sixteen observers in 5 parties. Total party-hours, 40 (25 on foot, 15 by car); total party-miles, 188 (38 on foot, 150 by car). ► Great Blue Heron, 1; Mallard, 2; Common Goldeneye, 739; Bufflehead, 14; Common Merganser, 2; Sharp-shinned Hawk, 4; **Cooper's Hawk, 2**; Red-tailed Hawk, **109**; Red-shouldered Hawk, 2; Rough-legged Hawk, **89**; Bald Eagle, 7; Marsh Hawk, 18; Sparrow Hawk, 3; Ruffed Grouse, 8; Bobwhite, 66; Ring-necked Pheasant, 7; Herring Gull, 65; Ring-billed Gull, 2; Mourning Dove, **143**; Screech Owl, 3; Great Horned Owl, 4; Long-eared Owl, 23; Short-eared Owl, 20; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 88; Horned Lark, 48; Blue Jay, 112; Common Crow, 33; Black-capped Chickadee, 145; White-breasted Nuthatch, 9; Brown Creeper, 5; Robin, 7; **Hermit Thrush, 1**; Golden-crowned Kinglet, 52;

Cedar Waxwing, 1; Northern Shrike, 3; Starling, 558; House Sparrow, 665; Eastern Meadowlark, 3; Redwinged Blackbird, 3; Rusty Blackbird, 1; Common Grackle, 1; Brown-headed Cowbird, **895**; Cardinal, 225; Purple Finch, 2; Am. Goldfinch, 168; Rufous-sided Towhee, 13; **Vesper Sparrow, 6** (M.F. party); Slate-colored Junco, 430; Tree Sparrow, 633; **Chipping Sparrow, 3** (M.F. party); Field Sparrow, **15**; White-crowned Sparrow, 3; White-throated Sparrow, 3; Song Sparrow, 46; Lapland Longspur, 4; Snow Bunting, 508. **Total,** 61 species; about 6039 individuals. (Seen in area count period, but not on count day: Evening Grosbeak.)—Marshall Field, Edwin Graff, Florence Graff, Robert Hopper, Earl Lemon, John Lemon, Robert Lemon, Dougald Murray (compiler), Paul Prevett, Ronald Prevett (West Elgin Nature Club).

38. Westport, Ont. (all points within a 15-mile diameter circle, center at municipal office; farmland 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, Red Cedar groves 2%).—Jan. 2; 8 a.m. to 4:30 p.m. Overcast, clear at noon; temp. 15° to 25°; wind N, 1 m.p.h.; 18-in. snow on ground, lakes frozen. Eleven observers in 4 parties. Total party-hours, 38 (24 on foot, 14 by car); total party-miles, 160 (21 on foot, 139 by car). ► Black Duck, 2; Hooded Merganser, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Ruffed Grouse, 19; Screech Owl, 1; Snowy Owl, 1; Pileated Woodpecker, 6; Hairy Woodpecker, 13; Downy Woodpecker, 13; Blue Jay, 50; Black-capped Chickadee, 123; White-breasted Nuthatch, 21; Brown Creeper, 3; Cedar Waxwing, 1; Northern Shrike, 4; Starling, 57; House Sparrow, 116; Pine Siskin, 17; Am. Goldfinch, 65; Red Crossbill, 20; Tree Sparrow, 121; Snow Bunting, 335. **Total,** 23 species; about 994 individuals.—J. Bayly, A. Bell, F. Hainsworth, M. L'Estrange, P. Little, N. Mansfield, M. O'Sullivan, H. Quilliam, D. Roberts, A. Strong (compiler), G. Woods.

39. Saskatoon, Sask. (all points within a 15-mile diameter circle, center 2 miles south of city limits, including metropolitan area, banks of South Saskatchewan River, airport, Forest Experimental Research Station; woodland 5%, mixed farming and pasture country 90%, city 5%).—Dec. 26; 7:30 a.m. to 4 p.m. Light snow, clearing 10 a.m., cloudy again 3 p.m.; temp. −1°; wind E, 8 m.p.h.; 4-in. snow. Nineteen observers in 6 parties. Total party-hours, 36 (12 on foot, 24 by car); total party-miles, 276 (19 on foot, 257 by car). ► Mallard, 3; Common Goldeneye, 2; Pigeon Hawk, 1; Ruffed Grouse, 2; Sharp-tailed Grouse, 24; Ring-necked Pheasant, 6; Gray Partridge, 12; Great Horned Owl, 1; Short-eared Owl, 8; Downy Woodpecker, 3; Blue Jay, 4; Black-billed Magpie, 132; Black-capped Chickadee, 31; Red-breasted Nuthatch, 2; **Brown Thrasher, 1** (within 10 ft.—J. Roy party); Bohemian Waxwing, 2812; Cedar Waxwing, 15; Starling, 22; House Sparrow, 2474; Pine Grosbeak, 113; Hoary Redpoll, 3; Common Redpoll, 228; Snow Bunting, 1000. **Total,** 23 species; about 6897 individuals. (Seen in area count period, but not on count day: Robin, Northern Shrike, Common Grackle.)—Al Binnie, R. Folker, Mrs. Betty Gerrard, John Gerrard, Jonathan Gerrard, Bernard Gollop, J. Hogg, Mrs. Mary Houston, Stuart Houston, C. J. L'Ami, Mrs. M. L'Ami, Bob Mills, J. F. Roy (compiler), John Shadick, Lindy Wedge, Mrs. R. Wedge, Ted Wedge, Terry Wedge, Wendy Wedge.

40. Banff National Park, Alta. (all points within a 15-mile diameter circle, center Banff townsite; from eastern park entrance west to Johnston Canyon Road, including Bow Falls, Vermilion Lakes, Banff golf course, Upper Hot Springs, Cave and Basin, Mount Norquay, Tunnel Mountain, Sundance Canyon; grassland 10%, coniferous forest 50%, river and lakes 15%, mixed woods 10%, residential 15%).—Jan. 2; 8 a.m. to 5:30 p.m. Partly overcast; temp. 8° to 27°; wind SW, 30 m.p.h.; 9-in. snow on level, rivers partly open. Ten observers in 3 parties. Total party-hours, 26 (12 on foot, 14 by car); total party-miles, 119 (9 on foot, 110 by car). ► Mallard, 20; Common Goldeneye, 3; **Killdeer, 1**; Pileated Woodpecker, 1; **Horned Lark, 2**; Gray Jay, 12; Black-billed Magpie, 49; Common Raven, 7; Clark's Nutcracker, 17; Black-capped Chickadee, 20; Mountain Chickadee, 12; Boreal Chickadee, 3; Red-breasted Nuthatch, **12**; Brown Creeper, 1; Dipper, 6; Golden-crowned Kinglet, 4; House Sparrow, 25; Pine Grosbeak, 5; White-winged Crossbill, 55. **Total,** 19 species; about 255 individuals.—D. Beacham (compiler), J. Beacham, H. Boerger, E. Cheney, D. Dekker, I. Halladay, A. Harmon, C. Hitchon, W. McKay, I. Vickery (Calgary Bird Club).

41. Calgary, Alta. (all points within a 15-mile diameter circle, center on Louise Bridge and Bow River, including Inglewood Sanctuary, Bowness Park, Spruce Cliff, Glenmore Reservoir, St. Georges Island, Prince's Island, Bow and Elbow Rivers; prairie 25%, residential, parks and sanctuary 50%, river banks and reservoir 10%, deciduous woods 10%, coniferous woods 5%).—Dec. 27; 8 a.m. to 5 p.m. Scattered clouds; temp. 10° to 27°; wind NW, 20 m.p.h.; 4-in. snow on ground, rivers open, reservoir frozen. Eighteen observers in 4 parties. Total party-hours, 32 (16 on foot, 16 by car); total party-miles, 215 (12 on foot, 203 by car). ► Mallard, 1204; Pintail, 3; Canvasback, 1; Lesser Scaup, 1; Common Goldeneye, 113; Common Merganser, 52; **Ferruginous Hawk, 1** (seen well—A.S.); Bald Eagle, 2; Pigeon Hawk, **5**; Ring-necked Pheasant, 111; Gray Partridge, 55; **Killdeer, 2**; Snowy Owl, 4; Short-eared Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Black-billed Magpie, 398; Black-capped Chickadee, 62; Red-breasted Nuthatch, **13**; Brown Creeper, 3; Golden-crowned Kinglet, 2; Bohemian Waxwing, 455; Northern Shrike, 1; Starling, 202; House Sparrow, 1363; **Brewer's Blackbird, 1** (K.H.); Evening Grosbeak, 4; Pine Grosbeak, 34; Common Redpoll, 78; White-winged Crossbill, 8; Tree Sparrow, 2. **Total,** 31 species; about 4187 individuals. (Seen in area count period, but not on count day: Rough-legged Hawk, Prairie Falcon, Red Crossbill.)—D. Beacham (compiler), S. Beacom, F. Bell, H. Boerger, N. Coleman, D. Dekker, D. Dennis, C. Elliott, J. Elliott; R. Girolami, K. Hodges, R. Kilsdonk, D. McAmmond, W.

McKay, V. Morrison, A. Schulze, H. Vance, I. Vickery (Calgary Bird Club).

42. Edmonton, Alta. (all points within a 15-mile diameter circle, center Administration Bldg. on Edmonton Municipal Airport).—Dec. 26; 8 a.m. to 5:30 p.m.; temp. 25° to 30°; wind NNE, 4 m.p.h. Twenty-one observers in 9 parties. Total party-hours, 33 (19 on foot, 14 by car); total party-miles, 99 (35 on foot, 64 by car). ► Mallard, 59; Peregrine Falcon, 1; Pigeon Hawk, 3; Ruffed Grouse, 1; Sharp-tailed Grouse, 8; Ring-necked Pheasant, 44; Gray Partridge, 142; Great Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 10; Pileated Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 8; Black-backed Three-toed Woodpecker, 1; Gray Jay, 4; Blue Jay, 24; Black-billed Magpie, 131; Black-capped Chickadee, 156; Boreal Chickadee, 13; Brown Creeper, 6; Bohemian Waxwing, 558; Starling, 13; House Sparrow, 316; Evening Grosbeak, 28; Pine Grosbeak, 82; Common Redpoll, 55; White-winged Crossbill, 72. **Total,** 27 species; about 1742 individuals. (Seen in area count period, but not on count day: Canada Goose, Common Goldeneye, Yellow-shafted Flicker, Golden-crowned Kinglet.)—K. Ball, T. Barry, M. Boyd, T. Coffey, P. Demulder (compiler), G. Evans, M. Forge, C. Hampson, M. Hampson, R. Heath, D. Hephold, O. Horn, E. Jones, J. Keizer, R. Lister, D. Lumsden, F. Purdy, H. Steele, P. Steele, R. Turner, R. Walker (Edmonton Bird Club).

43. Ladner, B. C. (all points within a 15-mile diameter circle, center at intersection on Goudy Road 1¾ miles south of Ladner Trunk Road, including peninsula of Point Roberts, Wash., municipality of Delta, shores of Georgia Strait and Boundary Bay; salt water 40%, dyked farmland 20%, peat bog 15%, marshes and shores 15%, upland conifer 5%, suburban 5%).—Jan. 2; 7:15 a.m. to 4:30 p.m. Overcast and some fog early, clear after 11 a.m.; temp. 31° to 44°; wind NE, up to 6 m.p.h. Fifteen observers in 9 parties. Total party-hours, 76 (62 on foot, 7 by car, 7 on bicycle); total party-miles, 161 (78 on foot, 57 by car, 26 on bicycle). ► Common Loon, 29; Arctic Loon, 3; Red-throated Loon, 27; loon (sp.), 161; Red-necked Grebe, 6; Horned Grebe, 90; Eared Grebe, 1; Western Grebe, 343; Double-crested Cormorant, 243; Brandt's Cormorant, **336**; Pelagic Cormorant, 39; Great Blue Heron, 61; Black Brant, 600; Mallard, 1530; Pintail, 13,688; Green-winged Teal, 15; Am. Widgeon, 12,372; Shoveler, 10; Wood Duck, 3; Canvasback, 3; Greater Scaup, 362; Common Goldeneye, 70; Barrow's Goldeneye, 32; Bufflehead, 164; Oldsquaw, 112; Harlequin Duck, 7; White-winged Scoter, 177; Surf Scoter, 400; Common Scoter, 236; Ruddy Duck, 17; Hooded Merganser, 4; Common Merganser, 2; Red-breasted Merganser, 38; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 10; Rough-legged Hawk, 1; Bald Eagle, 4; Marsh Hawk, 22; Peregrine Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; California Quail, 23; Ring-necked Pheasant, 41; Gray Partridge, 10; Am. Coot, 35; Killdeer, 104; Black-bellied Plover, **229**; Black Turnstone, 9; Common Snipe, 30; Dunlin, 10,252; Sanderling, 61; Glaucous-winged Gull, 3204; Herring Gull, 48; Mew Gull, 1262; Bonaparte's Gull, 47; Common Murre, 104; Pigeon Guillemot, 12; Marbled Murrelet, 26; Ancient Murrelet, 11; Short-eared Owl, 19; Belted Kingfisher, 2; flicker, 82 (heavily hybridized); Pileated Woodpecker, 6; Downy Woodpecker, 11; Horned Lark, 7; Steller's Jay, 7; Northwestern Crow, 171; Black-capped Chickadee, 120; Chestnut-backed Chickadee, 4; Common Bushtit, 8; Red-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 34; Bewick's Wren, 38; Long-billed Marsh Wren, 10; Robin, 1270; Varied Thrush, 34; Golden-crowned Kinglet, 84; Ruby-crowned Kinglet, 30; Water Pipit, 37; Northern Shrike, 3; Starling, 3490; Crested Myna, **142**; Hutton's Vireo, 1; **Orange-crowned Warbler, 1**; House Sparrow, 714; Western Meadowlark, 153; Redwinged Blackbird, 118; Brewer's Blackbird, 6217; Evening Grosbeak, 7; Purple Finch, 11; House Finch, 886; Pine Siskin, 167; Rufous-sided Towhee, 112; **Savannah Sparrow, 8**; Oregon Junco, 696; White-crowned Sparrow, 32; Golden-crowned Sparrow, 24; Fox Sparrow, 47; Song Sparrow, 868; Snow Bunting, 1. **Total,** 102 species; about 62,421 individuals.—Rudi Drent, Mrs. Hildegard Hesse, Werner H. Hesse (compiler), William M. Hughes, George M. McKay, William J. Merilees, Doris Nye, Kathleen Robertson, Rosamond Ross, John G. Sarles, Niko Verbeek.

44. North Saanich, B. C. (all points within an 8-mile diameter circle, center on Willingdon and Cresswell Road junction; sea and shoreline 45%, farmland 20%, suburban 10%, coniferous forest 25%).—Dec. 31; 8 a.m. to 5 p.m. Light clouds; temp. 43° to 37°; wind NNW, 8 m.p.h. Seventeen observers in 7 parties. Total party-hours, 49 (44 on foot, 5 by car); total party-miles, 165 (22 on foot, 143 by car). ► Common Loon, 23; Arctic Loon, 241; Red-throated Loon, 9; Red-necked Grebe, 38; Horned Grebe, 246; Eared Grebe, 36; Western Grebe, 582; Double-crested Cormorant, 19; Brandt's Cormorant, 1; Pelagic Cormorant, 183; Great Blue Heron, 9; White-fronted Goose, 9; Mallard, 31; Pintail, 60; Green-winged Teal, 109; Am. Widgeon, 723; Shoveler, 1; Canvasback, 14; Greater Scaup, 495; Lesser Scaup, 5; Common Goldeneye, 173; **Barrow's Goldeneye, 5**; Bufflehead, 314; Oldsquaw, 73; Harlequin Duck, 26; White-winged Scoter, 685; Surf Scoter, 244; Common Scoter, 7; Ruddy Duck, 410; Hooded Merganser, 28; Common Merganser, 7; Red-breasted Merganser, 155; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; **Rough-legged Hawk, 1** (carefully identified); Bald Eagle, 4; Peregrine Falcon, 2; Ruffed Grouse, 1; California Quail, 113; Ring-necked Pheasant, 26; **Gray Partridge, 7**; Am. Coot, 169; Killdeer, 24; Black Turnstone, 23; Common Snipe, 4; Greater Yellowlegs, 15; Dunlin, 57; Glaucous-winged Gull, 926; Herring Gull, 23; Mew Gull, 215; Common Murre, 9; Pigeon Guillemot, 25; Marbled Murrelet, 10; Ancient Murrelet, 1; Rhinoceros Auklet, 2; Short-eared Owl, 2; Belted Kingfisher, 12; Red-shafted Flicker, 56; Pileated Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 9; **Skylark, 65**; Horned Lark, 2; Steller's Jay, 98; Common Raven,

11; Northwestern Crow, 556; Chestnut-backed Chickadee, 116; Common Bushtit, 9; Red-breasted Nuthatch, 9; Brown Creeper, 16; Winter Wren, 29; Bewick's Wren, 28; Robin, 1464; Varied Thrush, 34; Golden-crowned Kinglet, 200; Ruby-crowned Kinglet, 31; Water Pipit, 3; Northern Shrike, 2; Starling, **3363**; House Sparrow, 30; Western Meadowlark, 35; Red-winged Blackbird, 40; Brewer's Blackbird, 1041; Purple Finch, 12; House Finch, 59; Pine Siskin, 96; Red Crossbill, 2; Rufous-sided Towhee, 75; **Slate-colored Junco, 1**; Oregon Junco, 499; **Chipping Sparrow, 1** (all field marks); White-crowned Sparrow, 16; Golden-crowned Sparrow, 100; Fox Sparrow, **27**; Song Sparrow, 133. **Total,** 95 species; about 14,911 individuals.—W. Adams, R. Beckett, Mrs. H. M. Bell, T. Briggs, A. R. Davidson, Mrs. A. R. Davidson, R. Fryer, N. Haas, J. Hannay, E. Lemon, R. McKenzie-Grieve, G. A. Poynter (compiler), W. D. Reith, Mrs. H. Soulsby, D. Stirling, Mrs. D. Stirling, Mrs. G. Taylor.

45. Surrey Municipality, B. C. (all points within a 15-mile diameter circle, center Crescent Beach, including Ocean Park, White Rock to Peace Portal at Blaine, farmlands and woods between Port Kells and Trans-Canada Highway).—Dec. 29; 8:30 a.m. to 4:30 p.m. Overcast, heavy fog a.m.; temp. 30° to 38°; wind NE, 0-5 m.p.h. Six observers in 4 parties. Total party-hours, 20 (18 on foot, 2 by car and bicycle); total party-miles, 30 (20 on foot, 10 by car and bicycle). ► Common Loon, 7; Red-necked Grebe, 4; Horned Grebe, 10; Western Grebe, 2; Brandt's Cormorant, 3; Mallard, 54; Pintail, 113; Green-winged Teal, 4; Canvasback, 4; Greater Scaup, 102; Common Goldeneye, 11; Barrow's Goldeneye, 2; Bufflehead, 11; Oldsquaw, 4; Harlequin Duck, 2; White-winged Scoter, 39; Surf Scoter, 312; Common Scoter, 8; Common Merganser, 2; Am. Coot, 1; Dunlin, 300; Glaucous-winged Gull, 76; Belted Kingfisher, 3; Red-shafted Flicker, 7; Downy Woodpecker, 1; Steller's Jay, 2; Northwestern Crow, 3; Black-capped Chickadee, 29; Chestnut-backed Chickadee, 5; Winter Wren, 1; Bewick's Wren, 5; Varied Thrush, 9; Ruby-crowned Kinglet, 1; House Sparrow, 42; Western Meadowlark, 2; Brewer's Blackbird, 1; Evening Grosbeak, 16; Purple Finch, 64; Pine Siskin, 30; Rufous-sided Towhee, 12; Oregon Junco, 59; White-crowned Sparrow, 4; Fox Sparrow, 7; Song Sparrow, 42. **Total,** 44 species; about 1416 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Ring-necked Pheasant, Mew Gull, Robin, Golden-crowned Kinglet, Am. Goldfinch.)—H. N. Clarke, G. A. Davies, M. W. Holdom (compiler), Mrs. W. H. Munro, D. S. Turner, E. E. Woodford.

46. Vancouver, B. C. (all points within a 15-mile diameter circle, center at Broadway West and Granville Street, including cities of Vancouver, North Vancouver, parts of West Vancouver, Burnaby, Richmond, Burrard Inlet, North Arm Fraser River; salt water 30%, shores 3%, marshes 3%, open fields 10%, built up areas 40%, city parks 7%, coniferous forests 7%).—Dec. 26; 6:30 a.m. to 5 p.m. Clear after 10 a.m.; temp. 32° to 46°; wind W, up to 9 m.p.h. Fifty observers in 22 parties. Total party-hours, 115 (97 on foot, 15 by car, 3 by canoe); total party-miles, 212 (101 on foot, 96 by car, 15 by canoe). ► Common Loon, 22; Red-throated Loon, 30; Red-necked Grebe, 10; Horned Grebe, 86; Eared Grebe, 14; Western Grebe, **4561**; Pied-billed Grebe, 4; Double-crested Cormorant, 153; Brandt's Cormorant, 3; Pelagic Cormorant, 82; Great Blue Heron, 67; Canada Goose, 67; Mallard, 1271; Pintail, 257; Green-winged Teal, 19; Am. Widgeon, 486; Shoveler, 2; Wood Duck, 6; Ring-necked Duck, 4; Canvasback, 54; Greater Scaup, 2417; Lesser Scaup, 163; Common Goldeneye, 346; Barrow's Goldeneye, 562; Bufflehead, 433; Oldsquaw, 233; Harlequin Duck, 3; White-winged Scoter, 140; Surf Scoter, 1219; Common Scoter, **446**; Ruddy Duck, 11; Hooded Merganser, 26; Common Merganser, 106; Red-breasted Merganser, 314; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 5; Marsh Hawk, 2; Peregrine Falcon, 4; Pigeon Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 4; Ring-necked Pheasant, 26; Am. Coot, 391; Killdeer, 87; Black-bellied Plover, 53; **Surfbird, 38**; Black Turnstone, 20; Common Snipe, **70**; **Rock Sandpiper, 10** (seen well on jetty—W.M.); Dunlin, 1328; Sanderling, 32; sandpiper (sp.), 525; **Glaucous Gull, 1** (F.O.); Glaucous-winged Gull, 23,049; Herring Gull, 1310; Mew Gull, 9741; Bonaparte's Gull, 145; Common Murre, 7; Marbled Murrelet, 9; Ancient Murrelet, 26; **Band-tailed Pigeon, 8** (G.M.); Great Horned Owl, 2; Pygmy Owl, 1; Long-eared Owl, 1; Short-eared Owl, 9; Belted Kingfisher, 9; flicker, 76 (heavily hybridized); Pileated Woodpecker, 7; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 11; Steller's Jay, 62; **Black-billed Magpie, 2**; Common Raven, 5; Northwestern Crow, 910; Black-capped Chickadee, 247; Chestnut-backed Chickadee, 20; Common Bushtit, 27; Red-breasted Nuthatch, 17; Brown Creeper, 13; Dipper, 1; Winter Wren, 45; Bewick's Wren, 22; Long-billed Marsh Wren, 7; Robin, 246; Varied Thrush, 97; Golden-crowned Kinglet, 172; Ruby-crowned Kinglet, 47; Bohemian Waxwing, 4; Cedar Waxwing, 22; Northern Shrike, 4; Starling, 35,692; Crested Myna, **1632**; **Orange-crowned Warbler, 1** (at feeder since Nov.); Audubon's Warbler, 2; House Sparrow, 1040; Western Meadowlark, 22; Redwinged Blackbird, 7; Brewer's Blackbird, 1134; Evening Grosbeak, **444**; Purple Finch, 37; House Finch, 455; Pine Siskin, 618; Am. Goldfinch, 31; Red Crossbill, 8; Rufous-sided Towhee, 147; Slate-colored Junco, 12; Oregon Junco, 777; White-crowned Sparrow, 14; Golden-crowned Sparrow, 8; Fox Sparrow, 50; Song Sparrow, 943. **Total,** 115 species; about 95,694 individuals. (Seen in area count period, but not on count day: Turkey Vulture, **MacGillivray's Warbler**.)—William Bird, Mrs. Dorothy M. Bradley, Stewart F. Bradley, Sheila Buchanan, Rudi Drent, Mrs. Kathryn Eckel, Mrs. Hildegard Hesse, Werner H. Hesse (compiler), William M. Hughes, Mrs. J. Kidd, Richard Kidd, Peter Lightheart, George M. McKay, William J. Merilees, Allister Muir, Verna Newson, Frank Oldaker, Norman Precious, Rosamond Ross, Frank J. Sanford, John G. Sarles, D. M. White'aw, Jean Wilton.

47. Victoria, B. C. (all points within a 15-mile diameter circle, center on Burnside Road as last year, plus extra 4 mile boat coverage adjacent to Discovery Island).—Dec. 26; 8 a.m. to 5 p.m. Partly cloudy; temp. 40° to 49°; wind W to E, 5 m.p.h.; ground bare, ponds open. Twenty-seven observers in 11 parties. Total party-hours, 86 (62 on foot, 20 by car, 4 by boat); total party-miles, 302 (48 on foot, 250 by car, 4 by boat). ► Common Loon, 41; Arctic Loon, 19; Red-throated Loon, 14; Red-necked Grebe, 56; Horned Grebe, 519; Eared Grebe, 41; Western Grebe, 755; Pied-billed Grebe, 22; Double-crested Cormorant, 64; Brandt's Cormorant, 46; Pelagic Cormorant, 333; Great Blue Heron, 33; Canada Goose, 101; White-fronted Goose, 2; Mallard, 1809; **Gadwall, 6**; Pintail, 276; Green-winged Teal, 373; **European Widgeon, 1** (since early Nov.); Am. Widgeon, 4190; Shoveler, 241; Wood Duck, 8; Ring-necked Duck, 105; Canvasback, 55; Greater Scaup, 1367; Lesser Scaup, 25; Common Goldeneye, 196; Barrow's Goldeneye, 3; Bufflehead, 887; Oldsquaw, 157; Harlequin Duck, 120; White-winged Scoter, 454; Surf Scoter, 298; Ruddy Duck, 163; Hooded Merganser, 70; Common Merganser, 208; Red-breasted Merganser, 184; Sharp-shinned Hawk, 9; Cooper's Hawk, 5; Red-tailed Hawk, 6; **Golden Eagle, 1** (adult—C.G.); Bald Eagle, 2; Peregrine Falcon, 3; Pigeon Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 2; California Quail, 253; Ring-necked Pheasant, 93; Am. Coot, 472; Black Oystercatcher, 64; Killdeer, 125; Black-bellied Plover, 67; Surfbird, 4; Black Turnstone, 141; Common Snipe, 16; Whimbrel, 2; Greater Yellowlegs, 7; Rock Sandpiper, 47; Dunlin, 102; Glaucous-winged Gull, 3933; Herring Gull, 31; Mew Gull, **3969**; **Bonaparte's Gull, 1**; Common Murre, 176; Pigeon Guillemot, 43; Marbled Murrelet, 64; Ancient Murrelet, **52**; Cassin's Auklet, **3**; Rhinoceros Auklet, **7**; **Mourning Dove, 1**; Screech Owl, 1; Belted Kingfisher, 24; Red-shafted Flicker, 186; Pileated Woodpecker, 1; **Lewis' Woodpecker, 1** (present some time); Hairy Woodpecker, 10; Downy Woodpecker, 22; Skylark, 35; Steller's Jay, 275; Common Raven, 33; Northwestern Crow, 901; Chestnut-backed Chickadee, 261; Common Bushtit, 60; Red-breasted Nuthatch, 13; Brown Creeper, 23; Dipper, 2; **House Wren, 1** (carefully identified); Winter Wren, 70; Bewick's Wren, 45; **Long-billed Marsh Wren, 1**; Robin, 1889; Varied Thrush, 55; Western Bluebird, 26; Golden-crowned Kinglet, 251; Ruby-crowned Kinglet, 19; Cedar Waxwing, 100; Starling, 279; Northern Shrike, 1; House Sparrow, 194; Western Meadowlark, 111; Redwinged Blackbird, 157; Brewer's Blackbird, 1377; **Dickcissel, 1** (caught, banded); Evening Grosbeak, 3; Purple Finch, 74; House Finch, 150; Pine Siskin, 775; Rufous-sided Towhee, 131; **Slate-colored Junco, 1**; Oregon Junco, 582; White-crowned Sparrow, 23; Golden-crowned Sparrow, 95; Fox Sparrow, 59; **Lincoln's Sparrow, 1** (R.F.); Song Sparrow, 234. **Total,** 115 species; about 31,499 individuals. (Seen in area count period, but not on count day: **Rough-legged Hawk,** Goshawk, Lesser Yellowlegs, Sanderling, **Rufous Hummingbird, Audubon's Warbler,** Red Crossbill.)—W. Adams, R. Barnes, J. Barnett, R. Beckett, Mrs. H. M. Bell, T. Briggs, Mrs. A. R. Davidson, A. R. Davidson, R. Fryer, Mrs. A. J. Gosling, C. Guiguet, N. Haas, D. Hancock, F. King, E. Lemon, R. McKenzie-Grieve, J. H. Palmer, G. A. Poynter, L. Roberts, Mrs. M. Slocombe, Mrs. G. Soulsby, Mrs. D. Stirling, D. Stirling (compiler), Mrs. W. L. Taylor, J. E. Underhill, Mrs. M. Winstone, D. Welch (Victoria Natural History Society).

48. Anchorage, Alaska (all points within a 15-mile diameter circle, center at junction of Seward Highway and Sand Lake Road, including areas from Turnagain Arm on south, Military Reservations on north, Knik Arm on west, Chugach Mts. on east; willow thickets 2%, riparian woodland 4%, birch woodland 7%, birch-alder woodland 4%, spruce-birch woodland 60%, open meadow 13%, city and residential 10%).—Jan. 2; 8:45 a.m. to 4 p.m. Mostly cloudy; temp. 15° to 28°; wind N, 2-5 m.p.h. Eighteen observers in 5 parties. Total party-hours, 30 (15 on foot, 14 by car, 1 on ski); total party-miles, 299 (25 on foot, 273 by car, 1 by ski). ► Common Goldeneye, 8; Glaucous-winged Gull, **49**; Hairy Woodpecker, 7; Downy Woodpecker, 1; Gray Jay, 3; Black-billed Magpie, 72; Common Raven, 118; Black-capped Chickadee, 52; Boreal Chickadee, 38; Brown Creeper, 1; Dipper, 11; Bohemian Waxwing, 34; Northern Shrike, 2; Pine Grosbeak, 368; Common Redpoll, **1461**; **White-crowned Sparrow, 18** (N.T.A.). **Total,** 16 species; about 2243 individuals. —Neil T. Argy, W. C. Boardman, Jim H. Branson, Margaret Heller, Vin Hoeman, Catherine J. Hoschouer, Robert O. Hoschouer, Mrs. Florence Irving, Laurence Irving, Peter M. E. Isleib (compiler), Mrs. Clare Mullaly, Mrs. Reggie V. Rausch, Robert L. Rausch, Max C. Thompson, Bill Tilton, George Velikanje, Francis S. L. Williamson, Richard Zinsmann.

49. Cohoe, Alaska (all points within a 15-mile diameter circle, center compiler's home as in 1958). —Dec. 21; 10 a.m. to 3:30 p.m. Partly cloudy; temp. 28° to 31°; no wind; 3-4-in. snow cover. Two observers in 1 party. Total party-hours, 5½ (4 on foot, 1½ by car); total party-miles, 16 (4 on foot, 12 by car). ► Bald Eagle, 1; Glaucous Gull, 1; Glaucous-winged Gull, 5; Great Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Northern Three-toed Woodpecker, 2; Gray Jay, 3; Black-billed Magpie, 5; Common Raven, 18; Black-capped Chickadee, 5; Boreal Chickadee, 11; Pine Grosbeak, 2; Hoary Redpoll, 15; Common Redpoll, 12. **Total,** 15 species; about 83 individuals. (Seen in area count period, but not on count day: Boreal Owl, White-winged Crossbill.)—Eugene Smith, Mary A. Smith (compiler).

50. Homer, Alaska (all points within a 15-mile diameter circle, center Homer Airport; including Homer Spit, open water on Beluga Lake, portion of Homer Beach, part of Homer; Kachemak Bay shoreline 55%, fresh-water lake 5%, grassland 20%, tall spruce 20%).—Dec. 29; 9:15 a.m. to 5:45 p.m. Partly cloudy; temp. 36° to 32°; wind SW, 15 m.p.h.; ground mostly open, snow patches. Two observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by

car); total party-miles, 151 (3 on foot, 148 by car). ► Common Loon, 1; Red-necked Grebe, 1; **Western Grebe, 1**; Double-crested Cormorant, 3; Mallard, 8; Greater Scaup, 45; Common Goldeneye, 62; Oldsquaw, 6; Common Eider, 1; White-winged Scoter, 74; Surf Scoter, 11; Common Scoter, 3; Glaucous-winged Gull, 284; Herring Gull, 41; Mew Gull, 125; Black-legged Kittiwake, 6; Common Murre, 4; Pigeon Guillemot, 44; Marbled Murrelet, 1; **Kittlitz's Murrelet, 1**; Common Raven, 14; Black-capped Chickadee, 6; Boreal Chickadee, 15; Golden-crowned Kinglet, 3; Common Redpoll, 12; White-winged Crossbill, 20; **Song Sparrow, 1**; Snow Bunting, 1. **Total,** 28 species; about 794 individuals.—Eugene Smith, Mary A. Smith (compiler).

51. **Castine, Me.** (all points within a 15-mile diameter circle, center North Castine as in previous years; mixed woodlands 30%, open fields 25%, bays and ocean 25%, hedgerows 5%, beach 10%, misc. 5%).—Dec. 29; 6 a.m. to 8 p.m. Partly cloudy, light snow; temp. 10° to 30°; wind SW, 5 m.p.h.; ground mostly bare, fresh water frozen. Two observers in 2 parties. Total party-hours, 24 (9 on foot, 15 by car); total party-miles, 125 (22 on foot, 103 by car). ► Common Loon, 15; Red-throated Loon, 1; Horned Grebe, 95; Great Cormorant, 3; Mallard, 4; Black Duck, 975; Greater Scaup, 560; Common Goldeneye, 1285; Barrow's Goldeneye, 3; Bufflehead, 524, Oldsquaw, 77; Common Eider, 56; White-winged Scoter, 1475; Surf Scoter, 565; Common Scoter, 205; Common Merganser, 3; Red-breasted Merganser, 32; Bald Eagle, 1; Ruffed Grouse, 1; Purple Sandpiper, 7; Great Black-backed Gull, 46; Herring Gull, 1375; Razorbill, 1; Dovekie, 2; Mourning Dove, 2; Great Horned Owl, 1; Snowy Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 15; Black-backed Three-toed Woodpecker, 1; Gray Jay, 7; Blue Jay, 161; Common Raven, 10; Common Crow, 212; Black-capped Chickadee, 411; Boreal Chickadee, 36; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 13; Brown Creeper, 3; Robin, 10; Golden-crowned Kinglet, 16; Northern Shrike, 1; Starling, 440; House Sparrow, 42; Common Grackle, 32; Brown-headed Cowbird, 4; Evening Grosbeak, 70; Purple Finch, 5; Slate-colored Junco, 9; Tree Sparrow, 54; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 55 species; about 8877 individuals. (Seen in area count period, but not on count day: Black Guillemot, Great Blue Heron, Rufous-sided Towhee.)—Mary G. Morse, M. C. Morse, Jr. (compiler).

52. **Danforth, Me.** (all points within a 15-mile diameter circle, center Danforth; logging roads, hardwood and evergreen forests, farmland, old orchards with frozen apples, open river, 5 feeders).—Dec. 26; 7 a.m. to 4 p.m.; temp. 28° to 35°; wind S, 2-5 m.p.h.; 4-5-in. snow on ground. Five observers in 1 party. Total party-hours, 8½ (2½ on foot, 6 by car); total party-miles, 85 (5 on foot, 80 by car). ► Black Duck, 5; **Wood Duck, 1** (drake present some time); Ruffed Grouse, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 4; Gray Jay, 4; Blue Jay, 66; Common Raven, 11; Common Crow, 2; Black-capped Chickadee, 43; Boreal Chickadee, 12; White-breasted Nuthatch, 5; **Carolina Wren, 1** (at feeder daily); Robin, 1; **Bohemian Waxwing, 4** (studied at leisure—5 observers); Starling, 9; House Sparrow, 200; Common Grackle, 1; Brown-headed Cowbird, 18; Evening Grosbeak, 114; Purple Finch, 5; Pine Grosbeak, 101; Pine Siskin, 29; Am. Goldfinch, 35; White-winged Crossbill, 14; Tree Sparrow, 31. **Total,** 27 species; about 726 individuals. (Seen in area count period, but not on count day: Brown Creeper, Golden-crowned Kinglet, Northern Shrike.)—Mrs. Priscilla Amero, Mrs. Eva Fifield, Mrs. Muriel Gillis (compiler), Mrs. Lucille Neal, Mrs. Frances Sprague.

53. **Deer Isle, Me.** (all points within a 15-mile diameter circle, center old indian haulover, including entire island and adjacent salt-water coves; coniferous forest 40%, suburban 5%, rocky shore 10%, salt coves 35%, fields 10%).—Dec. 30; 7 a.m. to 4 p.m. Clear; temp. 19° to 38°; wind SW to S, 5 m.p.h.; 2-in. new snow, fresh-water ponds frozen. Three observers in 2-3 parties. Total party-hours, 18 (11 on foot, 4 by car, 3 by boat); total party-miles, 74 (10 on foot, 58 by car, 6 by boat). ► Common Loon, 79; **Red-throated Loon, 1**; Red-necked Grebe, **68**; Horned Grebe, 751; Great Cormorant, 66; Mallard, 2; Black Duck, 67; Greater Scaup, 1; Common Goldeneye, 385; Bufflehead, 175; Oldsquaw, 621; Common Eider, 18; White-winged Scoter, 200; Surf Scoter, 130; Common Scoter, 6; Red-breasted Merganser, 125; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 4; Ruffed Grouse, 2; **Common Snipe, 2** (seen well); Purple Sandpiper, **370**; Great Black-backed Gull, 113; Herring Gull, 1137; Black Guillemot, 52; Belted Kingfisher, 2; Hairy Woodpecker, 6; Downy Woodpecker, 9; Gray Jay, 1; Blue Jay, 19; Common Raven, 40; Common Crow, 80; Black-capped Chickadee, 47; Boreal Chickadee, 26; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 3; Brown Creeper, 4; Robin, 2; Golden-crowned Kinglet, 29; Northern Shrike, 1; Starling, 41; House Sparrow, 12; Common Grackle, 2; Brown-headed Cowbird, 1; Evening Grosbeak, 5; Purple Finch, 8; Pine Grosbeak, 1; Am. Goldfinch, 1; Tree Sparrow, 4; Snow Bunting, 8. **Total,** 50 species; about 4731 individuals. (Seen in area count period, but not on count day: **Short-eared Owl,** Snowy Owl, Saw-whet Owl, **Ring-billed Gull,** Redwinged Blackbird, **Rufous-sided Towhee,** Song Sparrow.)—Ralph W. Odell, Jr. (compiler), William Russell, David Sonneborn.

54. **Mount Desert Island, Me.** (all points within a 15-mile diameter circle, center in Hall Quarry village, including Acadia National Park; same area since 1933; rocky shores, coastal waters, coniferous and mixed woodlands, villages).—Dec. 31; 6:50 a.m. to 4:30 p.m. Clear; temp. 22° to 39°; wind NW, 0-5 m.p.h.; 2-in. snow, inland ponds frozen. Sixty observers, 16 in 10 parties, 44 at feeders. Total party-hours, 54 (20 on foot, 34 by car); total party-miles, 320 (16 on foot, 304 by car). ► Common Loon, 29; Red-necked Grebe, 4; Horned Grebe, 248; Great

Cormorant, 28; Canada Goose, 15; Black Duck, 717; Greater Scaup, 1512; Common Goldeneye, 640; Barrow's Goldeneye, 2; Bufflehead, 872; Oldsquaw, 1551; Common Eider, 1130; White-winged Scoter, 596; Surf Scoter, 20; Common Scoter, 1; Common Merganser, 12; Red-breasted Merganser, 42; Rough-legged Hawk, 1; Bald Eagle, 5; Ruffed Grouse, 5; Great Black-backed Gull, 49; Herring Gull, 1857; Black Guillemot, 19; Great Horned Owl, 1; Hairy Woodpecker, 28; Downy Woodpecker, 79; **Gray Jay, 1** (at feeder for weeks); Blue Jay, 63; Common Raven, 20; Common Crow, 141; Black-capped Chickadee, 409; Boreal Chickadee, 10; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 56; Brown Creeper, 15; Robin, 4; Golden-crowned Kinglet, 7; **Ruby-crowned Kinglet, 1** (at feeder daily); Starling, 223; House Sparrow, 119; Redwinged Backbird, 2; **Bullock's Oriole, 1** (at feeder since mid-Nov.); Common Grackle, 1; Brown-headed Cowbird, 35; Evening Grosbeak, 54; Am. Goldfinch, 10; Rufous-sided Towhee, 2; Slate-colored Junco, 22; Tree Sparrow, 106; Fox Sparrow, 4; Song Sparrow, 19. **Total,** 51 species; about 10,791 individuals. (Seen in area count period, but not on count day: Mallard, **Common Snipe,** Purple Sandpiper, Northern Shrike, **Black-and-white Warbler, Cardinal**.)—Mr. and Mrs. J. Franklin Anthony, Jr., Mr. and Mrs. F. E. Fahey, Paul G. Favour, Jr. (compiler), Mr. and Mrs. Walter Flagg, Mrs. Horace Mann, Mr. and Mrs. Donald McPheters, Mr. and Mrs. Robert W. Patterson, Mrs. Henry Rivers (National Park Service, Mount Desert Island Bird Club, guests).

55. Pemaquid Area, Me. (all points within a 15-mile diameter circle, center Bristol Mills; same territory as 1959; rocky shore and adjacent water 60%, open fields 20%, mixed woodlands 20%, 7 feeding stations).—Dec. 28; 4 a.m. to 4:15 p.m. Partly cloudy, snow showers a.m.; temp. −4° to 16°; wind W, 5-10 m.p.h.; ground half snow covered, fresh water and salt-water coves frozen. Seven observers in 2 parties. Total party-hours, 21 (10 on foot, 11 by car); total party-miles, 92 (9 on foot, 83 by car). ► Common Loon, 11; Red-necked Grebe, 7; Horned Grebe, 12; Great Cormorant, 4; Mallard, 5; Black Duck, 92; Common Goldeneye, 183; Barrow's Goldeneye, 5; Bufflehead, 49; Oldsquaw, 152; Common Eider, 10; Surf Scoter, 1; Hooded Merganser, 11; Common Merganser, 35; Red-breasted Merganser, 69; Bald Eagle, 2; Ruffed Grouse, 4; Purple Sandpiper, 13; Great Black-backed Gull, 21; Herring Gull, 494; Black-legged Kittiwake, 4; Black Guillemot, 5; Great Horned Owl, 1; Belted Kingfisher, 3; Hairy Woodpecker, 4; Downy Woodpecker, 9; **Gray Jay, 2** (at feeder since mid-Dec.); Blue Jay, 52; Common Raven, 1; Common Crow, 35; Black-capped Chickadee, 46; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Robin, 6; Golden-crowned Kinglet, 1; Starling, 16; Myrtle Warbler, 4; House Sparrow, 1; **Eastern Meadowlark, 4**; **Redwinged Blackbird, 1**; Common Grackle, 8; Evening Grosbeak, 60; Purple Finch, 4; Am. Goldfinch, 25; Tree Sparrow, 33; Song Sparrow, 4. **Total,** 46 species; about 1511 individuals. (Seen in area count period, but not on count day: Razorbill, Dovekie, Saw-whet Owl, Brown Creeper, Brown-headed Cowbird.)—M. E. Buxton, R. B. Buxton (compiler), E. Duce, H. B. Duce, H. F. Libby, M. I. Libby, D. Washington.

56. Schoodic Peninsula, Me. (all points within a 15-mile diameter circle, center in South Gouldsboro on junction of Route 186 and Summer Harbor Road, including Schoodic Peninsula section of Acadia National Park, Gouldsboro Peninsula and Waukeag Neck; rocky shores, open ocean and bays, sheltered coves and inlets 60%, woods, mostly coniferous 20%, rural roadsides 10%, villages 10%).—Dec. 28; 7:30 a.m. to 4 p.m. Sea smoke a.m., clear, cloudy late p.m.; temp. 0° to 22°; wind NW, 2-10 m.p.h.; ground mostly bare, scattered snow patches, smaller bays and inlets frozen. Two observers in 1 party. Total party-hours, 8½ (1 on foot, 7½ by car); total party-miles, 85½ (½ on foot, 85 by car). ► Common Loon, 17; Red-necked Grebe, 3; Horned Grebe, 20; Great Cormorant, 8; Black Duck, 52; Common Goldeneye, 111; Bufflehead, 65; Oldsquaw, 69; Common Eider, 48; White-winged Scoter, 65; Surf Scoter, 1; Red-breasted Merganser, 19; Red-tailed Hawk, 1; Great Black-backed Gull, 7; Herring Gull, 254; Black Guillemot, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 2; Common Raven, 2; Common Crow, 22; Black-capped Chickadee, 12; Robin, 1; Golden-crowned Kinglet, 1; Starling, 4; House Sparrow, 10. **Total,** 26 species; about 798 individuals.—Paul G. Favour, Jr. (compiler), Donald McPheters.

57. Vinalhaven, Me. (all points within a 15-mile diameter circle, center Vinalhaven, an island in Penobscot Bay).—Dec. 28; 7:45 a.m. to 4:15 p.m. Snow showers mid-day; temp. 2° to 14°; wind SW, 15-25 m.p.h.; ground covered with ice and snow. Twenty-four observers in 13 parties. ► Common Loon, 4; Horned Grebe, 9; Great Cormorant, 2; Black Duck, 2; Common Goldeneye, 60; Bufflehead, 20; Oldsquaw, 37; Common Merganser, 30; **Rough-legged Hawk, 1**; Bald Eagle, 2; Ring-necked Pheasant, 5; Great Black-backed Gull, 5; Herring Gull, 115; Black Guillemot, 5; Belted Kingfisher, 3; Blue Jay, 13; Common Raven, 2; Common Crow, 49; Black-capped Chickadee, 41; Robin, 2; Northern Shrike, 1; Starling, 30; House Sparrow, 10; Common Grackle, 41; Brown-headed Cowbird, 65; Evening Grosbeak, 23; Purple Finch, 9; Pine Grosbeak, 1; Slate-colored Junco, 1; Tree Sparrow, 17; Song Sparrow, 1. **Total,** 31 species; about 606 individuals. [Marsh Hawk, 2; Laughing Gull, 2; Fish Crow, 3; Chipping Sparrow, 2; Swamp Sparrow, 6; submitted with no details, removed from list—Ed.]—Mrs. Sam C. Slaughter (Vinalhaven Garden Club).

58. Coastal New Hampshire (all points within a 15-mile diameter circle, center at North Hampton as in previous years, including Hampton Harbor, Portsmouth, Great Bay, Exeter; ocean 30%, inlets 10%, brackish bay 5%, mixed woods 15%, brush 10%, marsh 10%, fields 5%, suburban 15%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Clear; temp. 15° to 32°; wind NW, 25-5 m.p.h.; ground with 1-8-in. snow.

ponds frozen. Thirteen observers in 4 parties. Total party-hours, 36 (28 on foot, 8 by car); total party-miles, 189 (23 on foot, 166 by car). ► Common Loon, 74; Red-throated Loon, 4; Red-necked Grebe, 10; Horned Grebe, 45; Great Cormorant, 1; Canada Goose, 629; Mallard, 3; Black Duck, 528; Greater Scaup, 260; Common Goldeneye, 336; Bufflehead, 79; Oldsquaw, 86; **Harlequin Duck, 3** (K.E.); Common Eider, 2; White-winged Scoter, 147; Surf Scoter, 87; Common Scoter, 12; Common Merganser, 66; Red-breasted Merganser, 82; **Sharp-shinned Hawk, 1**; **Red-shouldered Hawk, 1**; **Bald Eagle, 1**; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 5; Purple Sandpiper, 1; Dunlin, 16; Iceland Gull, 1; Great Black-backed Gull, **193**; Herring Gull, **2207**; Mourning Dove, 6; Snowy Owl, 3; **Short-eared Owl, 1**; **Saw-whet Owl, 1**; Hairy Woodpecker, 6; Downy Woodpecker, 23; Horned Lark, 42; Blue Jay, 51; Common Crow, 109; Black-capped Chickadee, 250; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; **Mockingbird, 1**; Robin, 10; Golden-crowned Kinglet, 2; Starling, 821; House Sparrow, 441; Eastern Meadowlark, 1; Brown-headed Cowbird, 8; Evening Grosbeak, 37; Purple Finch, 5; Am. Goldfinch, 96; Slate-colored Junco, 29; Tree Sparrow, 119; Swamp Sparrow, 1; Song Sparrow, 8; **Lapland Longspur, 9**; Snow Bunting, 1. **Total,** 58 species; about 6980 individuals. [**A Varied Thrush** has been present at Greenland in this count circle since early December and was seen on the day of the count by Mrs. D. J. Abbott, *fide* Vera Hebert—Ed.]—Constance Casas, Mr. and Mrs. William Cottrell, Kimball Elkins, Davis Finch, Eugene Finch, Juliet Kellogg, Mr. and Mrs. Robert Rathbone, Tudor Richards (compiler), Oscar Root, Fran: Sanford, Victor Smith.

59. Errol–Lake Umbagog, N. H. (all points within a 15-mile diameter circle, center Errol Village; Route 26 at Millsfield-Dixville town line to within 1½ mile of Upton, Me. and Route 16 at Maine.-N. H. line to Cambridge-Dummer line; mixed woods 54%, boreal softwood 20%, open field 25%, open river 1%).—Dec. 22; 7 a.m. to 5 p.m. Snow squall to clear; temp. 15° to 5°; wind WNW, 0-7 m.p.h.; 1½-ft. snow cover, lakes frozen. Two observers in 1-2 parties. Total party-hours, 12 (3 on foot, 9 by car); total party-miles, 83 (5 on foot, 78 by car). ► Common Goldeneye, 28; Hooded Merganser, 1; Common Merganser, 14; Rough-legged Hawk, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Gray Jay, 2; Blue Jay, 14; Common Raven, 6; Common Crow, 1; Black-capped Chickadee, 18; Boreal Chickadee, 4; Red-breasted Nuthatch, 2; House Sparrow, 2; Purple Finch, 4; Pine Grosbeak, 7; Pine Siskin, 37; White-winged Crossbill, 5; Slate-colored Junco, 1; Tree Sparrow, 2; Snow Bunting, 1. **Total,** 21 species; about 153 individuals.—Vera H. Hebert (compiler), Pauline S. Merrill.

60. Hanover, N. H. (all points within a 15-mile diameter circle, center at Hanover Inn, including both sides of Connecticut River between Lyme and West Lebanon; alluvial plain and open upland 40%, pine and mixed hardwoods 40%, village 10%, water surface 10%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Clear; temp. 8° to 14°; wind NW, 10-15 m.p.h.; 6-8-in. crusted snow, snow-covered ice on all water except Connecticut River below Wilder Dam. Twelve observers, 3-4 in 1 party, 8-9 at feeding stations. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 53 (3 on foot, 50 by car). ► Common Goldeneye, 2; Common Merganser, 6; **Sharp-shinned Hawk, 1**; **Red-tailed Hawk, 1**; Hairy Woodpecker, 11; Downy Woodpecker, 9; Blue Jay, 21; Common Crow, 16; Black-capped Chickadee, 150; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 8; Brown Creeper, 3; **Mockingbird, 1** (at feeder since Oct.); Golden-crowned Kinglet, 1; Starling, 32; House Sparrow, 150; **Cardinal, 1**; Evening Grosbeak, 21; Purple Finch, 7; Pine Siskin, 7; Am. Goldfinch, 4; Slate-colored Junco, 31; Tree Sparrow, **88**; Song Sparrow, 2; Snow Bunting, 9. **Total,** 25 species; about 597 individuals. (Seen in area count period, but not on count day: Ruffed Grouse, Pileated Woodpecker, Gray Jay, White-throated Sparrow.)—Mrs. C. J. Campbell, James Cavanagh, Mrs. Norman Davis, Bernard Thielen (compiler), Hans Weber, Mrs. Bertram Wellman, Burdette Weymouth.

61. Laconia–New Hampton, N. H. (all points within a 15-mile diameter circle, center N4333-W7132 (Sanbornton); same area since 1950; mixed woods 45%, open fields 26%, suburban 16%, open water 13%).—Dec. 28; 6:30 a.m. to 4:30 p.m. Clear; temp. −20° to 0°; wind SW, 2 m.p.h.; 13-15-in. snow cover, little open water. Eight observers in 3 parties. Total party-hours, 31 (4 on foot, 27 by car); total party-miles, 243 (7 on foot, 236 by car). ► Mallard, 105; Black Duck, 144; Common Goldeneye, 108; Hooded Merganser, 22; Common Merganser, 31; Goshawk, 1; Sharp-shinned Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 3; Great Black-backed Gull, 1; Herring Gull, 8; **Mourning Dove, 2**; Pileated Woodpecker, 3; Hairy Woodpecker, 26; Downy Woodpecker, 27; Blue Jay, 269; Common Crow, 28; Black-capped Chickadee, 213; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 9; Brown Creeper, 7; Winter Wren, 1; **Varied Thrush, 1** (at feeder since Dec. 24 —photographed); Robin, 2; Golden-crowned Kinglet, 1; Northern Shrike, 1; Starling, 116; **Myrtle Warbler, 2**; House Sparrow, 293; Brown-headed Cowbird, 26; Evening Grosbeak, 97; Purple Finch, 9; Pine Grosbeak, 22; Pine Siskin, 244; Am. Goldfinch, 265; Red Crossbill, 1; Slate-colored Junco, 14; Tree Sparrow, 72; Song Sparrow, 1; Snow Bunting, 8. **Total,** 41 species; about 2226 individuals. (Seen in area count period, but not on count day: Iceland (Kumlien's) Gull.)—Dennis Cahoon, Jacqualyn Cahoon, Richard Hebert, Vera H. Hebert (compiler), Alexander Lincoln, John Merrill, Pauline Merrill, Victor Smith.

62. Littleton, N. H. (all points within a 15-mile diameter circle, center around St. Mary's-In-The-Mountains school).—Dec. 26; 7:30 a.m. to 4:30 p.m.; temp. 16° to 40°; no wind; gusts on Lafayette Mountain 30-35 knots, NW. Eight observers in 5 parties.

Total party-hours, 31 (17 on foot, 14 by car); total party-miles, 118 (15 on foot, 103 by car). ► Common Merganser, 42; Ruffed Grouse, 6; **Common Snipe, 1** (flushed several times); **Belted Kingfisher, 1**; Pileated Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 4; **Black-backed Three-toed Woodpecker, 1**; Blue Jay, 86; Common Crow, 6; Black-capped Chickadee, 151; Boreal Chickadee, 10; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 33; Brown Creeper, 8; Golden-crowned Kinglet, 25; **Northern Shrike, 2**; Starling, 106; House Sparrow, 173; Evening Grosbeak, 290; Purple Finch, 115; Pine Grosbeak, 43; Pine Siskin, 185; Am. Goldfinch, 76; White-winged Crossbill, 5; Tree Sparrow, 20. **Total,** 26 species; about 1414 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Spruce Grouse, Robin, Redwinged Blackbird, Common Redpoll, Snow Bunting.)—Julia Blewer, Robert Bradley, Esther Brockelman, Harry McDade, Kathleen McDade, John McIlwaine (compiler), Richard Stackpole, Fred Steele.

63. Monadnock Region, N. H. (all points within a 15-mile diameter circle, center in Dublin near Frost Pond, including villages of Chesham, Harrisville, Dublin, Hancock, Sharon, Jaffrey, West Rindge, and Monadnock and Pack Monadnock Mts.; mixed spruce, pine, hemlock and hardwoods 60%, brush 20%, feeders 10%, suburban 10%).—Dec. 27; 6:30 a.m. to 4:30 p.m. Clear; temp. 12° to 26°; wind NW, 15-25 m.p.h.; no open water, 8-14-in. snow. Nine observers in 4 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 180 (29 on foot, 151 by car). ► **Goshawk, 1**; Ruffed Grouse, 11; Ring-necked Pheasant, 5; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 21; Blue Jay, 183; Common Crow, 8; Black-capped Chickadee, 303; White-breasted Nuthatch, **30**; Red-breasted Nuthatch, 8; Brown Creeper, 4; Golden-crowned Kinglet, 15; Starling, 18; House Sparrow, 134; **Brown-headed Cowbird, 1**; Evening Grosbeak, 40; Pine Grosbeak, 5; Common Redpoll, 4; Pine Siskin, 12; Am. Goldfinch, 53; Slate-colored Junco, 25; Tree Sparrow, 54. **Total,** 23 species; about 942 individuals. —Mr. and Mrs. Elliott Allison, Theodore Dukelow, Mr. and Mrs. William P. Hill, Frank Parker, John Pearson, Tudor Richards (compiler), Frank Sanford.

64. Pittsburg, N. H. (all points within a 15-mile diameter circle, center same as last 10 years, including Pittsburg village to Second Connecticut Lake and East Inlet; open river 1%, open fields 9%, mixed spruce-fir 50%, mixed hardwoods 40%).—Dec. 23; 6:15 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. −17° to 8°; wind W, 0-7 m.p.h.; 12-16-in. snow cover. Four observers in 2 parties. Total party-hours, 34 (12 on foot, 22 by car); total party-miles, 107 (15 on foot, 92 by car). ► Black Duck, 3; Common Goldeneye, 5; Common Merganser, 5; Goshawk, 1; Rough-legged Hawk, 1; Ruffed Grouse, 1; Great Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 9; Gray Jay, 14; Blue Jay, 18; Common Raven, 1; Black-capped Chickadee, 50; Boreal Chickadee, 18; Red-breasted Nuthatch, 38; Evening Grosbeak, 146; Purple Finch, 48; Pine Grosbeak, 174; Pine Siskin, 292; Am. Goldfinch, 5; White-winged Crossbill, 327; Slate-colored Junco, 1; Tree Sparrow, 8. **Total,** 24 species; about 1176 individuals. (Seen in area count period, but not on count day: Golden-crowned Kinglet, Brown Creeper, Snow Bunting.)—Vera Hebert, Pauline Merrill, Fred T. Scott (compiler), Ethel Sturgis.

65. Bennington, Vt. (all points within a 15-mile diameter circle, center Bennington Battle Monument as in 1959; open fields 50%, woods 30%, rivers and streams 10%, village 10%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 28° to 50°; wind SW, 0-5 m.p.h.; 6-10-in. snow cover. Four observers in 2 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 122 (11 on foot, 111 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 10; Mourning Dove, 6; Long-eared Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 62; Common Crow, 118; Black-capped Chickadee, 55; White-breasted Nuthatch, 26; Brown Creeper, 5; Golden-crowned Kinglet, 1; Starling, 416; House Sparrow, 141; Eastern Meadowlark, 10; Brown-headed Cowbird, 78; Evening Grosbeak, 24; Purple Finch, 4; Pine Siskin, 27; Am. Goldfinch, 22; Tree Sparrow, 85. **Total,** 27 species; about 1111 individuals. (Seen in area count period, but not on count day: Saw-whet Owl, Robin, Cardinal, Slate-colored Junco.)—Barbara Beecher, Thomas H. Foster (compiler), Robert Giddings, John W. Johnson.

66. Burlington, Vt. (all points within a 15-mile diameter circle, center at College St. on lake shore; lake shore 50%, residential 13%, open fields 25%, mixed hardwood and coniferous woods 12%).—Jan. 2; 8 a.m. to 5 p.m. Sunny; temp. 17° to 15°; wind ENE, 6 m.p.h.; 17-in. fresh snow, lake wide open. Four observers in 3 parties. Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 29 (12 on foot, 17 by car). ► Common Loon, 3; Horned Grebe, 45; Mallard, 3; Black Duck, 14; Greater Scaup, 3; Common Goldeneye, 287; Bufflehead, 3; Oldsquaw, 2; Common Merganser, 62; Sparrow Hawk, 1; Great Black-backed Gull, 1; Herring Gull, 476; Ring-billed Gull, 6; Snowy Owl, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 6; Horned Lark, 14; Blue Jay, 45; Common Crow, 5; Black-capped Chickadee, 54; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 4; Robin, 3; Cedar Waxwing, 55; Northern Shrike, 1; Starling, 102; House Sparrow, 243; Common Grackle, 1; Evening Grosbeak, 1; Common Redpoll, 40; Am. Goldfinch, 18; White-winged Crossbill, 2; Slate-colored Junco, 13; Tree Sparrow, 15; Song Sparrow, 3; Lapland Longspur, 3 (with Snow Buntings); Snow Bunting, **3020**. **Total,** 39 species; about 5475 individuals.—Wilbert Chambers, Barbara S. Eastman, Norman St. Jacque, Marion L. Smith (compiler).

67. Plainfield, Vt. (all points within a 15-mile diameter circle, center Science Building, Goddard Col-

lege Campus, 0.7 mile northwest of Plainfield Inn Garage; woodlands 74%, swamp 1%, open lands 25%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear a.m., partly cloudy p.m.; temp. 25° to 37°; wind S, 12 m.p.h. Nine observers in 7 parties, some at feeders only. Total party-hours, 61 (37 on foot, 24 by car); total party-miles, 179 (30 on foot, 149 by car). ► Herring Gull, 2; Hairy Woodpecker, 7; Downy Woodpecker, 13; Blue Jay, 89; Common Crow, 25; Black-capped Chickadee, **193**; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 8; Brown Creeper, 3; **Robin, 3**; Starling, 6; House Sparrow, 76; Common Grackle, 8; Evening Grosbeak, **195**; Purple Finch, **181**; Pine Grosbeak, 4; Common Redpoll, 3; Pine Siskin, **184**; Am. Goldfinch, 12; Slate-colored Junco, 8; Tree Sparrow, 42; Snow Bunting, 3. **Total,** 22 species; about 1087 individuals. (Seen in area count period, but not on count day: Ring-necked Pheasant, Golden-crowned Kinglet.)—Dean H. Allen, Mrs. Newton Davis, Mrs. Rupert Goslant, Mrs. Nathan Greenberg, Edward T. Haynes, Mrs. Noyle Johnson, Charles Metcalf, Mrs. Glen Metcalf, Selden J. Spencer (compiler).

68. Saxtons River, Vt. (all points within a 15-mile diameter circle, center 2½ miles north of Westminster West to include Connecticut River from Williams River to Putney Great Meadows and Walpole, N. H.; open fields 60%, mixed woods 20%, frozen river 10%, residential 10%).—Dec. 29; 8 a.m. to 5 p.m. Cloudy, occasional light snow; temp. 0° to 20°; wind variable, 0-20 m.p.h.; ground with 10-in. snow, little open water. Four observers in 3 parties, 2 at feeders. Total party-hours, 11 (2 on foot, 7 by car, 2 at feeders); total party-miles, 65 (2 on foot, 63 by car). ► **Mallard,** 1; Black Duck, 50; Common Goldeneye, 25; Common Merganser, 2; **Cooper's Hawk,** 1 (seen well); **Sparrow Hawk,** 1; Ruffed Grouse, 1; **Mourning Dove, 8**; Great Horned Owl, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Horned Lark, 103; Blue Jay, 50; Common Crow, 52; Black-capped Chickadee, 33; White-breasted Nuthatch, 4; Brown Creeper, 3; Golden-crowned Kinglet, 4; Starling, 60; House Sparrow, 169; Brown-headed Cowbird, 1; Evening Grosbeak, 6; Slate-colored Junco, 33; Tree Sparrow, 105; **Song Sparrow, 1. Total,** 26 species; about 721 individuals. (Seen in area count period, but not on count day: Pine Grosbeak, Pine Siskin, **White-throated Sparrow**.)—Angus Black (compiler), Donald Brodine, Michael Choukas, Fred Zinns.

69. **Topsham, Vt.** (all points within a 15-mile diameter circle, center Macdonald house as in last 6 years; open farmland 53%, mixed deciduous and evergreen woods, swampy in places 43%, orchard 3%, dry pasture 1%).—Dec. 27; 6:15 a.m. to 4:45 p.m. Light snow, then fair; temp. 16° to 2°; wind NW, 0-25 m.p.h.; 5-18-in. snow on ground, small brooks open. Three observers, 2 in 1-2 parties, 1 at feeding station. Total party-hours, 18½ (18 on foot, ½ by jeep); total party-miles, 8 (6 on foot, 2 by jeep). ► Ruffed Grouse, 8; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 4; Blue Jay, 52; Common Crow, 2; Black-capped Chickadee, 110; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 3; Brown Creeper, 3; Golden-crowned Kinglet, 14; Evening Grosbeak, 71; Purple Finch, 12; Pine Grosbeak, 12; Common Redpoll, 7; Pine Siskin, 234; Am. Goldfinch, 3; Slate-colored Junco, 2; Snow Bunting, 6. **Total,** 20 species; about 570 individuals.—Alison Macdonald (compiler), Alison M. Macdonald, Elisabeth Macdonald.

70. Belmont, Mass. (all points within a 15-mile diameter circle, center same as previous 26 years; pasture 10%, deciduous woodland 20%, coniferous woodland 10%, marsh 15%, residential 45%).—Jan. 1; 7 a.m. to 4:15 p.m. Severe rain storm; temp. 32° to 39°; wind SE to NE, 15-25 m.p.h.; 6-in. snow in woods, ponds mostly frozen. Nine observers in 4 parties. Total party-hours, 22 (16 on foot, 6 by car); total party-miles, 46 (16 on foot, 30 by car). ► Mallard, 191; Black Duck, 115; Am. Widgeon, 45; Common Goldeneye, 2; Common Merganser, 6; Red-shouldered Hawk, 1; **Ruffed Grouse,** 1; Ring-necked Pheasant, **63**; Great Black-backed Gull, **67**; Herring Gull, **1966**; Yellow-shafted Flicker, 2; Downy Woodpecker, 9; Blue Jay, 30; Common Crow, 38; Black-capped Chickadee, 72; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 1; Robin, 1; Starling, 135; **Orange-crowned Warbler, 2** (daily at feeder); House Sparrow, 92; Purple Finch, 12; Am. Goldfinch, 7; **Rufous-sided Towhee,** 1; Slate-colored Junco, 61; Tree Sparrow, 11; **Chipping Sparrow, 6**; **Field Sparrow, 4**; White-throated Sparrow, 15; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 33 species; about 2978 individuals. (Seen in area count period, but not on count day: **Wood Duck,** Sharp-shinned Hawk, Sparrow Hawk, Mourning Dove, **Redwinged Blackbird,** Cardinal.) —Theodore Atkinson, George A. Drew, Mr. and Mrs. Hervey B. Elkins, Kimball C. Elkins, Jefferson Haase, Kenneth G. Potee, Mrs. Samuel D. Robbins, Samuel D. Robbins (compiler).

71. Cape Ann, Mass. (all points within a 15-mile diameter circle, including Gloucester, Rockport, Essex and parts of Beverly, Manchester, Ipswich, Hamilton, Wenham, Ipswich Beach; same territory for 26 years; rocky shores, coves, sea coast, inland ponds, woodland, town suburbs, fishing docks).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 21° to 47°; wind SW, 8 m.p.h.; snow on back roads, ice on ponds, bays, small streams. Thirty-seven observers in 10 parties, plus 60 feeders reporting. Total party-hours, 233 (111 on foot, 112 by car, 10 by boat); total party-miles, 421 (87 on foot, 324 by car, 10 by boat). ► Common Loon, 26; Red-throated Loon, 8; Red-necked Grebe, 10; Horned Grebe, 200; Gannet, 2; Great Cormorant, 88; Canada Goose, 7; Mallard, **161**; Black Duck, 2700; Pintail, 10; Shoveler, 1; Greater Scaup, 9; Common Goldeneye, **1075**; Barrow's Goldeneye, 1; Bufflehead, 169; Oldsquaw, 47; Common Eider, 5; White-winged Scoter, 207; Surf Scoter, 31; Common Scoter, 85; Common Merganser, 1; Red-breasted Merganser, 420; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Rough-legged Hawk, **10**; Marsh Hawk, 3; **Gyrfalcon,**

1 (white phase seen well thru 10 X binoculars—L.J.); Sparrow Hawk, 11; Ruffed Grouse, 5; Ring-necked Pheasant, 92; Purple Sandpiper, 120; Dunlin, 83; Sanderling, 34; Glaucous Gull, 1; Iceland Gull, 5; Great Black-backed Gull, **950**; Herring Gull, **12,075**; Ring-billed Gull, 5; Bonaparte's Gull, 2; Black-legged Kittiwake, 53; Razorbill, **82**; Dovekie, 13; Black Guillemot, 7; Mourning Dove, 30; Screech Owl, 2; Great Horned Owl, 4; Snowy Owl, 6; Yellow-shafted Flicker, 7; **Pileated Woodpecker, 1**; Hairy Woodpecker, 21; Downy Woodpecker, 59; Horned Lark, 88; Blue Jay, 162; Common Crow, 542; Black-capped Chickadee, 543; **Tufted Titmouse, 1**; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 5; Brown Creeper, 11; Catbird, 2; Brown Thrasher, 2; Robin, 20; Hermit Thrush, 1; Golden-crowned Kinglet, 26; Northern Shrike, 1; Starling, **12,980** (roost); Myrtle Warbler, 125; House Sparrow, **3000**; Eastern Meadowlark, 39; Redwinged Blackbird, 2; Common Grackle, 2; Brown-headed Cowbird, 11; **Cardinal, 4**; Dickcissel, 3; Evening Grosbeak, 44; Purple Finch, 35; Pine Siskin, 5; Am. Goldfinch, 93; Rufous-sided Towhee, 4; Savannah Sparrow, 6; Slate-colored Junco, 187; **Oregon Junco, 1**; Tree Sparrow, 227; Field Sparrow, 1; White-throated Sparrow, 41; Fox Sparrow, 11; Swamp Sparrow, 3; Song Sparrow, 48; Lapland Longspur, 24; Snow Bunting, 1. **Total,** 90 species; about 37,296 individuals. (Seen in area count period, but not on count day: King Eider, Cooper's Hawk, Belted Kingfisher, Eastern Bluebird.)—Mr. and Mrs. Charles F. Arey, Mr. and Mrs. Richard Barnett, Laurence Brown, Frances L. Burnett, Mr. and Mrs. John W. Day, Richard Forster, Murray L. Gardler, Wayne Hanley, H. Lawrence Jodrey, John F. Kieran, Ralph Lawson, Bertram Leadbeater, Chris Leahy, George Loring, Nathaniel C. Nash, Herbert W. Pratt, Mr. and Mrs. Homer Priest, Joseph W. Rice, Mrs. Chandler Robbins II, Mrs. William Robinson, Jr., James O. Seamans, Dorothy E. Snyder (compiler), Gerald L. Soucy, Stephen Spang, Dan Strickland, Charles Sutherland, Wally Tordoff, Henry Wiggin.

72. Cape Cod, Mass. (all points within a 15-mile diameter circle, including parts of Chatham, Brewster, Orleans, Eastham; same routes as previous years).—Jan. 2; 6 a.m. to 5:30 p.m. Clear; temp. 31° to 24°; wind NW, 20 m.p.h.; ponds and marshes frozen. Thirty-three observers in 7 parties. Total party-hours, 87 (37 on foot, 50 by car); total party-miles, 401 (75 on foot, 326 by car). ► Common Loon, 38; Red-throated Loon, 6; Red-necked Grebe, 1; Horned Grebe, 79; Pied-billed Grebe, 9; Gannet, 1; Great Cormorant, 1; Great Blue Heron, 27; Black-crowned Night Heron, 7; Am. Bittern, 3; Canada Goose, 5410; Brant, 2500; Mallard, 14; Black Duck, 6148; Pintail, 1; Green-winged Teal, 5; Am. Widgeon, 11; Greater Scaup, 51; Lesser Scaup, 10; Common Goldeneye, 517; **Barrow's Goldeneye, 1**; Bufflehead, 308; Oldsquaw, 447; Common Eider, 3900; White-winged Scoter, 122; Surf Scoter, 3; Common Scoter, 49; Ruddy Duck, 21; Hooded Merganser, 1; Common Merganser, 69; Red-breasted Merganser, 298; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 15; Sparrow Hawk, 21; Ruffed Grouse, 2; Bobwhite 160; Ring-necked Pheasant, 7; Clapper Rail, 4; Virginia Rail, 2; Am. Coot, 23; Black-bellied Plover, 28; Common Snipe, 6; **Knot, 1** (N.H.); Dunlin, 3005; Sanderling, 864; **Red Phalarope, 1** (seen killed by beach buggy—specimen saved); Iceland Gull, 1; Great Black-backed Gull, 1699; Herring Gull, 21,487; Ring-billed Gull, 157; Black-legged Kittiwake, 9; **Common Murre, 1** (oiled bird, captured); Mourning Dove, 88; Screech Owl, 2; Great Horned Owl, 1; Snowy Owl, 2; Long-eared Owl, 1; Short-eared Owl, 4; Belted Kingfisher, 9; Yellow-shafted Flicker, 74; Hairy Woodpecker, 1; Downy Woodpecker, 35; Horned Lark, 293; Blue Jay, 149; Common Crow, 335; Black-capped Chickadee, 977; **Tufted Titmouse, 1** (at feeder for week); White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 9; Carolina Wren, 9; Long-billed Marsh Wren, 2; Mockingbird, 4; Catbird, 4; Brown Thrasher, 3; Robin, 133; Eastern Bluebird, 36; Golden-crowned Kinglet, 7; Cedar Waxwing, 5; Northern Shrike, 1; Starling, 2481; Myrtle Warbler, 1201; Pine Warbler, 1; House Sparrow, 471; Eastern Meadowlark, 101; Redwinged Blackbird, 1; **Rusty Blackbird, 2**; Common Grackle, 9; Brown-headed Cowbird, 11; **Cardinal, 1**; **Dickcissel, 1**; Evening Grosbeak, 29; Purple Finch, 41; Common Redpoll, 3; Am. Goldfinch, 168; Rufous-sided Towhee, 9; Savannah Sparrow, 8; Seaside Sparrow, 2; Slate-colored Junco, 71; Tree Sparrow, 148; **Chipping Sparrow, 1**; Field Sparrow, 6; White-throated Sparrow, 125; Fox Sparrow, 18; Swamp Sparrow, 23; Song Sparrow, 130; Lapland Longspur, 193; Snow Bunting, 225. **Total,** 112 species; about 55,239 individuals. (Seen in area count period, but not on count day: **Black-headed Grosbeak**.)—Donald Alexander, Ruth Alexander, Mr. and Mrs. Wallace Bailey, Eleanor Barry, Mr. and Mrs. John Beattie, Richard Bowen, Rick Chandler, Boris Chevone, Harold Copeland, Mr. and Mrs. Davis Crompton, Richard Darby, Osborne Earle, Timothy Earle, Mrs. Maurice Emery, David Emerson, Robert Fox, Murray Gardler, Elizabeth Garrey, Norman Hill, George Hunt, Allan Keith, Joseph Kenneally, Jr., Richard Kleber, Allen Morgan, Henry Parker (compiler), Dr. and Mrs. Alfred Scott, Stephen Spang, Charles Sutherland, Walter Tordoff.

73. Concord, Mass. (all points within a 15-mile diameter circle, center at junction of Concord, Maynard, Acton and Sudbury; includes Great Meadows Wildlife Sanctuary and Drumlin Farm; rural, meadows, hardwood swamps, mixed hardwood, pine woodlots, town).—Dec. 31; 5 a.m. to 4:30 p.m. Clear; temp. 26° to 42°; wind S to SW, 8 m.p.h.; heavy ice, some open water on rivers. Twenty-three observers in 6 parties, 3 at feeders. Total party-hours, 42 (10 on foot, 32 by car); total party-miles, 254 (18 on foot, 236 by car). ► Canada Goose, 165; Mallard, 2; Black Duck, 20; Green-winged Teal, 1; Common Goldeneye, 5; Common Merganser, 5; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 23; Ring-necked Pheasant, 94; **Am. Coot, 1**; Great Black-backed Gull, 1; Herring Gull, 123; Mourning Dove, 79; Screech Owl, 1; Great

Horned Owl, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 34; Horned Lark, 2; Blue Jay, 100; Common Crow, 130; Black-capped Chickadee, 230; White-breasted Nuthatch, 43; Brown Creeper, 6; **Carolina Wren, 1** (at feeder daily); Robin, 4; Golden-crowned Kinglet, 11; Starling, 1248; House Sparrow, 840; Eastern Meadowlark, 1; Brown-headed Cowbird, 11; Evening Grosbeak, 26; Purple Finch, 12; Pine Siskin, 1; Am. Goldfinch, 48; Slate-colored Junco, 147; Tree Sparrow, 240; Field Sparrow, 3; White-throated Sparrow, 4; Fox Sparrow, 1; Swamp Sparrow, 45; Song Sparrow, 55. **Total,** 45 species; about 3792 individuals. (Seen in area count period, but not on count day: Common Snipe, Tufted Titmouse, Winter Wren, Cedar Waxwing, Cardinal.)—Peter Alden, Virginia Armstrong, Mrs. V. G. Armstrong, Nancy Babson, Stanwood Bolton, Elizabeth Corey, Rosita Corey, Harry Harms, Mrs. E. Latham, James Seamans, Jane Seamans, Mary Sherwood (compiler), Mrs. C. Wear, Mrs. Susan Woodward.

74. **Greenfield, Mass.** (all points within a 15-mile diameter circle, center intersection of Main and Federal Streets).—Jan. 2; 6 a.m. to 6 p.m.; temp. 10° to 25°; wind N, 20-0 m.p.h. Fifteen observers in 9 parties. Total party-hours, 108 (30 on foot, 78 by car); total party-miles, 165 (15 on foot, 150 by car). ► Black Duck, 2; Common Goldeneye, 1; Common Merganser, 13; Red-tailed Hawk, 1; Red-shoudered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 11; Common Snipe, 1; Herring Gull, 1; Mourning Dove, 23; Great Horned Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 44; Downy Woodpecker, 68; Horned Lark, 54 (2 races); Blue Jay, 707; Common Crow, 163; Black-capped Chickadee, 444; Tufted Titmouse, 5; White-breasted Nuthatch, 95; Red-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 1; **Mockingbird, 1**; Robin, 4; Golden-crowned Kinglet, 1; Starling, 1068; House Sparrow, 1695; Eastern Meadowlark, 1; Redwinged Blackbird, 1; Common Grackle, 1; Brown-headed Cowbird, 208; Cardinal, 3; Dickcissel, 1; Evening Grosbeak, 209; Purple Finch, 11; Pine Siskin, 68; Am. Goldfinch, 95; Slate-colored Junco, 581; Tree Sparrow, 491; White-throated Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 25; Snow Bunting, 9. **Total,** 45 species (1 additional race); about 6121 individuals.—Arthur A. Green (compiler), Glenn A. Weeks (Norman Bird Club).

75. **Jamaica Plain–Brookline, Mass.** (all points within a 15-mile diameter circle, center Children's Museum as in previous years).—Dec. 31; 8 a.m. to 4 p.m. Clear; temp. 20° to 35°; wind NE, 5-7 m.p.h.; crusty snow cover, one pond open. Thirteen observers in 1 party. Total party-hours, 8 (all on foot); total party-miles, 12 (all on foot). ► Mallard, 460; Black Duck, 127; Pintail, 1; Wood Duck, 2; Ring-necked Pheasant, 15; Great Black-backed Gull, 2; Herring Gull, 74; Ring-billed Gull, 4; Downy Woodpecker, 4; Blue Jay, 19; Common Crow, 23; Black-capped Chickadee, 16; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Mockingbird, 1; Robin, 37; Golden-crowned Kinglet, 1; Cedar Waxwing, 3; Starling, 75; House Sparrow, 38; Purple Finch, 7; Pine Siskin, 1; Am. Goldfinch, 4; Savannah Sparrow, 1; Slate-colored Junco, 48; Oregon Junco, 1; Tree Sparrow, 3; White-throated Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 9. **Total,** 30 species; about 985 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, Short-eared Owl, Mourning Dove, Yellow-shafted Flicker, Hairy Woodpecker.)—Jay Anderer, Paul Bensusan, Larry Basile, William Blakeslee, Paul Brown, Sally Carey, Paul Deveau, Miriam E. Dickey (compiler), Jack Flynn, Edward Grusheski, Betsy Jefferys, Jane Langan, Nancy Langan.

76. **Marshfield, Mass.** (all points within a 15-mile diameter circle, center at Ocean Bluff as in previous years; shore and marsh 50%, feeding stations 40%, fields 10%).—Dec. 29; 8 a.m. to 4:30 p.m. Snow beginning 10:30 a.m.; temp. 21° to 35°; wind S to SW, 7-10 m.p.h.; fresh water frozen, poor visibility. Three observers in 3 parties. Total party-hours, 23 (19 on foot, 4 by car); total party-miles, 37 (7 on foot, 30 by car). ► Common Loon, 1; Horned Grebe, 3; Mallard, 1; Black Duck, 36; Greater Scaup, 3; Common Goldeneye, 124; Bufflehead, 34; Red-breasted Merganser, 5; Marsh Hawk, 2; Ring-necked Pheasant, 9; Black-bellied Plover, 6; Dunlin, 15; Great Black-backed Gull, 22; Herring Gull, 389; Ring-billed Gull, 16; Mourning Dove, 37; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 33; Blue Jay, 20; Common Crow, 23; Black-capped Chickadee, 82; White-breasted Nuthatch, 10; Carolina Wren, 3; **Mockingbird, 1**; Robin, 2; Starling, 172; Myrtle Warbler, 16; House Sparrow, 165; Eastern Meadowlark, 13; Evening Grosbeak, 41; Purple Finch, 27; Am. Goldfinch, 23; Savannah Sparrow, 1; Slate-colored Junco, 123; Tree Sparrow, 79; Field Sparrow, 27; White-throated Sparrow, 20; Fox Sparrow, 4; Song Sparrow, 16; Lapland Longspur, 5. **Total,** 41 species; about 1626 individuals. (Seen in area count period, but not on count day: White-winged Scoter, Surf Scoter, Rough-legged Hawk, Sparrow Hawk, Ruffed Grouse, Bobwhite, Virginia Rail, Killdeer, Short-eared Owl, **Tufted Titmouse,** Brown Creeper, **Baltimore Oriole,** Snow Bunting.)—Rosella S. Ames (compiler), Mrs. Thaxter Anderson, Marian V. Brown.

77. **Nantucket, Mass.** (all points within a 15-mile diameter circle, centered to include whole island as in previous years; ocean 20%, harbor 10%, beaches and salt marshes 25%, fresh-water ponds 10%, deciduous and pine woods 10%, moors and open farmland 20%, roadside thickets 5%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Heavy rain most all day; temp. 40° to 38°; wind E, 15-40 m.p.h.; ground bare, ponds 90% frozen, extremely high tide. Twelve observers in 4 parties. Total party-hours, 28 (1 on foot, 27 by car); total party-miles, 160 (1 on foot, 159 by car). ► Common Loon, 13; Red-throated Loon, 1; Horned Grebe, 5; Pied-billed Grebe, 3; Great Cormorant, 1; Great Blue Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 157; Brant, 2; Black Duck, 70; Am. Widgeon, 72; Greater Scaup, 125; Common

Goldeneye, 36; Bufflehead, 24; Oldsquaw, 33; Common Eider, 618; White-winged Scoter, 38; Common Scoter, 7; Red-breasted Merganser, 138; Red-tailed Hawk, 5; Marsh Hawk, 1; Bobwhite, 4; Ring-necked Pheasant, 8; Am. Coot, 1; **Common Gallinule, 1** (daily since Nov.); Ruddy Turnstone, 12; Common Snipe, 1; Dunlin, 1; Sanderling, 69; Great Black-backed Gull, 567; Herring Gull, 2513; Razorbill, 2; Thick-billed Murre, **9** (most heavily oiled); Dovekie, 1; Black Guillemot, 1; Snowy Owl, 2; Yellow-shafted Flicker, 22; Horned Lark, 20; Blue Jay, 2; Common Crow, 84; Black-capped Chickadee, 4; Mockingbird, 1; Northern Shrike, 1; Starling, 476; Myrtle Warbler, 57; House Sparrow, 40; Eastern Meadowlark, 28; Redwinged Blackbird, 5; Am. Goldfinch, 38; Slate-colored Junco, 11; Tree Sparrow, 10; Field Sparrow, 1; White-throated Sparrow, 22; Song Sparrow, 20. **Total,** 54 species; about 5385 individuals. (Seen in area count period, but not on count day: Am. Bittern, European Widgeon, Redhead, Canvasback, Lesser Scaup, Surf Scoter, Rough-legged Hawk, Sparrow Hawk, Bonaparte's Gull, Mourning Dove, Short-eared Owl, Hairy and Downy Woodpecker, Robin, Golden-crowned Kinglet, Cedar Waxwing, Common Grackle, Brown-headed Cowbird, Fox Sparrow.)—Clinton Andrews, Edith Andrews (compiler), Dave Carson, Sydney Coffin, Mabel Depue, Mr. and Mrs. Philip B. Heywood, Betty Reyes, Elizabeth Van Duyne, Rena White.

78. Newburyport, Mass. (all points within a 15-mile diameter circle, center same as last 21 years). —Dec. 26; 7 a.m. to 5 p.m.; temp. 22° to 35°; wind NW, 3-5 m.p.h.; ground with 8-10-in. snow, ponds and streams frozen. Twenty-six observers in 7 parties. Total party-hours, 60 (20 on foot, 40 by car); total party-miles, 270 (25 on foot, 245 by car). ► Common Loon, 6; Red-throated Loon, 3; Red-necked Grebe, 5; Horned Grebe, 324; Gannet, 2; Canada Goose, 280; Snow Goose, 1; Mallard, 21; Black Duck, 6755; Pintail, 3; Greater Scaup, 1009; Common Goldeneye, 416; Bufflehead, 519; Oldsquaw, 268; **Harlequin Duck, 2**; White-winged Scoter, 230; **Ruddy Duck, 1**; **Hooded Merganser, 1**; Common Merganser, 1; Red-breasted Merganser, 55; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, **14**; Marsh Hawk, 4; Sparrow Hawk, 12; Ruffed Grouse, 12; Ring-necked Pheasant, 90; Purple Sandpiper, 7; **Sanderling, 9**; Great Black-backed Gull, 74; Herring Gull, 2610; Ring-billed Gull, 50; Black-headed Gull, 3; Bonaparte's Gull, 144; Mourning Dove, 64; Snowy Owl, 5 (25 in 1 day prior to count); Short-eared Owl, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 22; Downy Woodpecker, 38; Horned Lark, 195; Blue Jay, 116; Common Crow, 433; Black-capped Chickadee, 442; **Tufted Titmouse, 1**; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Mockingbird, 1**; Robin, 5; Golden-crowned Kinglet, 6; Starling, 3356; Myrtle Warbler, 55; House Sparrow, 984; Eastern Meadowlark, 7; **Rusty Blackbird, 1**; **Brown-headed Cowbird, 5**; Evening Grosbeak, 21; Purple Finch, 18; Am. Goldfinch, 107; Savannah Sparrow, 7; Slate-colored Junco, 139; Tree Sparrow, 277; Field Sparrow, 2; White-throated Sparrow, 6; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 18; Lapland Longspur, 51; Snow Bunting, 51. **Total,** 70 species; about 19,402 individuals. (Seen in area count period, but not on count day: Pied-billed Grebe, Canvasback, Razorbill, Great Horned Owl, Ipswich Sparrow.)—D. C. Alexander (compiler), Mrs. D. C. Alexander, Ruth Alexander, Mr. and Mrs. Arthur Argue, Mr. and Mrs. Thomas Banes, Eleanor Barry, Mildred Batchelder, Theodore Chase, Jr., Dennis Coskren, Ruth Emery, Elmer Foye, Leon Keach, Juliet Kellogg, Natalie King, Richard T. Kleber, Dr. and Mrs. Stephen Maddock, Lee Pollock, Oscar Root, Robert Schaefer, Garret Van Wart, Mr. and Mrs. Francis Wade, John Wills.

79. Northampton, Mass. (all points within a 15-mile diameter circle, center as in previous years).—Dec. 26; 5:30 a.m. to 4:30 p.m.; temp. 29° to 36°; wind SW, 5-10 m.p.h. Forty-eight observers in 23 parties, plus 35 at feeders. ► Mallard, 5; Black Duck, 68; Wood Duck, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 14; Ruffed Grouse, 16; Ring-necked Pheasant, 196; Herring Gull, 3; Mourning Dove, 370; Screech Owl, 1; Great Horned Owl, 5; Barred Owl, 1; Short-eared Owl, 4; Saw-whet Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 82; Downy Woodpecker, 215; Horned Lark, 408; Blue Jay, 884; Common Crow, 447; Black-capped Chickadee, 805; Tufted Titmouse, 8; White-breasted Nuthatch, 118; Red-breasted Nuthatch, 13; Brown Creeper, 26; Winter Wren, 1; Robin, 6; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 2; Cedar Waxwing, 4; Northern Shrike, 2; **Loggerhead Shrike, 1**; Starling, 2912; House Sparrow, 2616; Eastern Meadowlark, 28; Redwinged Blackbird, 1; Common Grackle, 1; Brown-headed Cowbird, 80; Cardinal, 39; Evening Grosbeak, 271; Purple Finch, 36; Pine Grosbeak, 1; Common Redpoll, 13; Pine Siskin, 46; Am. Goldfinch, 431; Rufous-sided Towhee, 2; Savannah Sparrow, 6; Slate-colored Junco, 699; Oregon Junco, 1; Tree Sparrow, 820; White-throated Sparrow, 28; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 155; Lapland Longspur, 3. **Total,** 59 species; about 11,916 individuals.—L. M. Bartlett (compiler), S. A. Eliot.

80. Quincy, Mass. (all points within a 15-mile diameter circle, center Weymouth Back River as in previous years).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear; temp. 29° to 47°; wind SW, 10-30 m.p.h.; ground and fresh water frozen, partial snow cover. Twelve observers in 4 parties. Total party-hours, 32 (18 on foot, 14 by car); total party-miles, 169 (11 on foot, 158 by car). ► Common Loon, 7; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 72; Great Cormorant, 85; Black-crowned Night Heron, 1; Mallard, 11; Black Duck, 1130; Pintail, 1; Greater Scaup, **6750**; Lesser Scaup, 1; Common Goldeneye, 1420; Bufflehead, 492; Common Eider, 5; White-winged Scoter, 420; Surf Scoter, 1; Common Scoter, 26; Common Merganser, 2; Red-breasted Merganser, 909; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 3;

Peregrine Falcon, 1; Sparrow Hawk, 11; Ruffed Grouse, 5; **Bobwhite,** 1; Ring-necked Pheasant, 19; Ruddy Turnstone, 3; **Knot, 45**; Purple Sandpiper, 50; Sanderling, 14; Glaucous Gull, 1; Great Black-backed Gull, 826; Herring Gull, **42,000**; Ring-billed Gull, 18; **Black-legged Kittiwake,** 1; Mourning Dove, 62; Great Horned Owl, 2; Snowy Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 21; Horned Lark, 21; Blue Jay, 76; Common Crow, 70; Black-capped Chickadee, 172; **Tufted Titmouse, 2**; White-breasted Nuthatch, 13; Brown Creeper, 5; **Mockingbird,** 1; Robin, 1; Cedar Waxwing, 15; Starling, **82,000**; Myrtle Warbler, 3; House Sparrow, 380; Eastern Meadowlark, 18; Red-winged Blackbird, 25; Common Grackle, 18; Brown-headed Cowbird, 150; **Cardinal, 3**; Evening Grosbeak, 18; Purple Finch, 9; Am. Goldfinch, 81; Rufous-sided Towhee, 1; Slate-colored Junco, 127; Tree Sparrow, 61; Field Sparrow, 1; White-throated Sparrow, 29; Fox Sparrow, 4; Swamp Sparrow, 7; Song Sparrow, 33; Snow Bunting, 16. **Total,** 75 species; about 137,799 individuals.—John Buffington, Carolyn Clark, Robert Fox, Warren Harrington, Sibley Higginbotham (compiler), John Howland, Allan Keith, Joseph Kenneally, Ruth Langley, Jane O'Regan, Harold Walsh, George Wilson.

81. Springfield, Mass. (all points within a 15-mile diameter circle, center 1 mile west of Pine Point as in last 5 years).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 13° to 30°; wind NW, 5-15 m.p.h.; deep snow on ground, ponds frozen, rivers partly open. Seventy-seven observers in 17 parties. Total party-hours, 82 (50 on foot, 32 by car); total party-miles, 314 (63 on foot, 251 by car). ► **Pied-billed Grebe,** 1 (2 parties); Mallard, 502; Black Duck, 75; Pintail, 1; Shoveler, 1; Common Goldeneye, 27; Common Merganser, **267**; Goshawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; **Rough-legged Hawk,** 3; Bald Eagle, 3; Sparrow Hawk, 7; Ruffed Grouse, 19; Ring-necked Pheasant, 93; Great Black-backed Gull, 3; Herring Gull, 211; Mourning Dove, **254**; **Long-eared Owl,** 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, **85**; Downy Woodpecker, **160**; Horned Lark, 253; Blue Jay, 682; Common Crow, 567; Black-capped Chickadee, **940**; Tufted Titmouse, **38**; White-breasted Nuthatch, **173**; Red-breasted Nuthatch, 8; Brown Creeper, 37; Carolina Wren, 1; Brown Thrasher, 1; Robin, 10; Golden-crowned Kinglet, 14; Cedar Waxwing, 11; Northern Shrike, 2; Starling, 2457; House Sparrow, 1299; Eastern Meadowlark, 9; Redwinged Blackbird, 2; Rusty Blackbird, 2; Brown-headed Cowbird, 107; Cardinal, **27**; Evening Grosbeak, 70; Purple Finch, 93; Common Redpoll, 2; Pine Siskin, 3; Am. Goldfinch, 237; **White-winged Crossbill, 5**; Slate-colored Junco, **899**; **Oregon Junco, 4** (at 2 feeders); Tree Sparrow, 1026; Field Sparrow, 6; White-crowned Sparrow, **3**; White-throated Sparrow, 40; Fox Sparrow, **9**; Swamp Sparrow, 1; Song Sparrow, 176; Snow Bunting, 2. **Total,** 62 species; about 10,943 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Snowy Owl, Barred Owl, Eastern Bluebird, Rufous-sided Towhee.)—Richard L. Ballman (compiler), Mr. and Mrs. Moreton R. Bates, Lawrence M. Debing, Mr. and Mrs. John P. Hunter, Allen Mytkowicz, James Mytkowicz, Raymond I. Longley, Jr., Mabel Potter, W. B. Sheppard, Rudolph H. Stone.

82. Ware, Mass. (all points within a 15-mile diameter circle, center 1 mile north of Town Hall; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Jan. 2; 7 a.m. to 4:30 p.m. Clear; temp. 20° to 40°; wind S, 0-10 m.p.h.; crusty snow, water frozen except rapids and reservoir. Eleven observers in 4 parties. Total party-hours, 34 (12 on foot, 22 by car); total party-miles, 40 (15 on foot, 25 by car). ► Horned Grebe, 10; Mallard, 4; Black Duck, 92; Green-winged Teal, 1; Wood Duck, 1; Common Goldeneye, 15; Common Merganser, 55; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, **6**; Peregrine Falcon, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 5; Iceland Gull, 1; Herring Gull, 172; Mourning Dove, 22; Hairy Woodpecker, 7; Downy Woodpecker, 8; Blue Jay, 139; Common Crow, 22; Black-capped Chickadee, 95; White-breasted Nuthatch, 25; Brown Creeper, 2; Robin, 1; Golden-crowned Kinglet, 1; Starling, 400; House Sparrow, 164; Eastern Meadowlark, 3; **Baltimore Oriole,** 1; Common Grackle, 1; Cardinal, 2; Evening Grosbeak, 116; Purple Finch, 6; Common Redpoll, 3; Am. Goldfinch, 18; Slate-colored Junco, 24; Tree Sparrow, 84; Song Sparrow, 2; Snow Bunting, 3. **Total,** 39 species; about 1519 individuals. (Seen in area count period, but not on count day: Tufted Titmouse.)—L. G. Albertine, M. E. Albertine, A. D. Bramble, A. D. Bramble, Jr., J. Burgiel, L. A. Campbell, L. M. Campbell, D. D. Conkey, J. H. Conkey (compiler), J. Madigan, L. H. Tucker (Quabbin Bird Club).

83. Worcester, Mass. (all points within a 15-mile diameter circle, center at Worcester city line on West Boylston Drive; includes Worcester, Boylston, West Boylston, Sterling, Clinton).—Dec. 26; 7:30 a.m. to 4:30 p.m.; temp. 26° to 44°; wind SW, 15 m.p.h.; 6-in. crusted snow, ponds half open. Five observers in 1 party. Total party-hours, 9; total party-miles, 59 (1 on foot, 58 by car). ► Horned Grebe, 1; **Great Blue Heron,** 1; Black-crowned Night Heron, 1; Mallard, 182; Black Duck, 180; Common Goldeneye, 4; Common Merganser, 32; Sparrow Hawk, 1; Ring-necked Pheasant, 7; **Am. Coot,** 1; Herring Gull, 55; Mourning Dove, 12; Belted Kingfisher, 1; **Pileated Woodpecker,** 1; **Red-headed Woodpecker,** 1; Downy Woodpecker, 5; Blue Jay, 10; Common Crow, 4; Black-capped Chickadee, 15; **Tufted Titmouse, 2**; White-breasted Nuthatch, 2; Golden-crowned Kinglet, 1; Starling, 85; House Sparrow, 12; **Cardinal,** 1; Evening Grosbeak, 4; Am. Goldfinch, 60; Slate-colored Junco, 9; Tree Sparrow, 2; White-throated Sparrow, 2; Song Sparrow, 1. **Total,** 31 species; about 695 individuals.—Davis H. Crompton (compiler), Mrs. Davis H. Crompton, Mrs. Philip B. Heywood, Francis X. McMenemy, Benjamin Morgan.

84. Newport County, R. I. and Westport, Mass. (all points within a 15-mile diameter circle, center Little Compton as in last 11 years).—Dec. 26; 6 a.m. to 5:15 p.m. Clear; temp. 29° to 48°; wind SW, 15-24 m.p.h.; remnant snow cover, ponds iced. Twenty-eight observers in 9 parties. Total party-hours, 95 (52 on foot, 43 by car); total party-miles, 370 (75 on foot, 295 by car). ► Common Loon, 81; Red-throated Loon, 80; Red-necked Grebe, 7; Horned Grebe, 914; Pied-billed Grebe, 1; Great Cormorant, 100; Great Blue Heron, 31; Black-crowned Night Heron, 1; Am. Bittern, 1; Mute Swan, 62; Canada Goose, 652; Mallard, 47; Black Duck, 1960; Pintail, 64; Green-winged Teal, 15; Am. Widgeon, 25; Canvasback, 1; Greater Scaup, 3868; Common Goldeneye, 623; Bufflehead, 300; Common Eider, 1; White-winged Scoter, 180; Surf Scoter, 100; Common Scoter, 106; Hooded Merganser, 1; Common Merganser, 179; Red-breasted Merganser, 308; Red-tailed Hawk, 16; Red-shouldered Hawk, 2; Marsh Hawk, 11; **Pigeon Hawk,** 1; Sparrow Hawk, 28; Bobwhite, 46; Ring-necked Pheasant, 65; Virginia Rail, 1; Am. Coot, 1; Killdeer, 7; Common Snipe, 4; Purple Sandpiper, 143; Dunlin, 466; Sanderling, 21; **Iceland Gull,** 1; Great Black-backed Gull, 257; Herring Gull, 3311; Ring-billed Gull, 456; Bonaparte's Gull, 405; **Dovekie,** 1; Mourning Dove, 188; Barn Owl, 2; Screech Owl, 3; Great Horned Owl, 7; **Snowy Owl,** 2; Short-eared Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 15; Hairy Woodpecker, 11; Downy Woodpecker, 35; Horned Lark, 555; Blue Jay, 83; Common Crow, 305; Black-capped Chickadee, 318; White-breasted Nuthatch, 12; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 73; Mockingbird, 1; Catbird, 2; Brown Thrasher, 5; Robin, 76; Golden-crowned Kinglet, 24; Loggerhead Shrike, 2; Starling, 2983; Myrtle Warbler, 93; House Sparrow, 640; Eastern Meadowlark, 332; Redwinged Blackbird, 6; Common Grackle, 11; Brown-headed Cowbird, 144; Cardinal, 2; Purple Finch, 5; Am. Goldfinch, 10; Rufous-sided Towhee, 12; Savannah Sparrow, 16; **Sharp-tailed Sparrow,** 1; Slate-colored Junco, 92; Tree Sparrow, 448; Field Sparrow, 13; White-throated Sparrow, 179; Fox Sparrow, 17; Swamp Sparrow, 5; Song Sparrow, 48; Lapland Longspur, 20; Snow Bunting, 7. **Total,** 93 species; about 21,768 individuals. —Bruce Blackwell, Richard Bowen, Sidney Crawford, Severyn Dana (compiler), Mrs. A. G. Davenport, Harold Day, William Dean, Michael Edwards, David Emerson, Peter Facer, Mr. and Mrs. Richard Gee, John Hammett, Brian Harrington, George Hunt, Douglas L. Kraus, Robert MacLachlan, Frances Perry, George Rae, Mrs. M. B. Randall, Beverly Ridgely, Mrs. John Riley, Mrs. Maurice Smith, George Troy, Robert Weaver, Elizabeth Weeks, Richard West, Robert Woodruff.

85. South Kingstown, R. I. (all points within a 15-mile diameter circle, center about .1 mile north of intersection of Ministerial and Tuckertown Rds. in S. Kingstown as in past 10 years).—Jan. 2; 6 a.m. to 5 p.m. Clear; temp. 15° to 33°; wind NNW, 2-10 m.p.h.; ground mostly bare, fresh and brackish ponds mostly frozen. Eighteen observers in 4 parties. Total party-hours, 44 (24 on foot, 20 by car); total party-miles, 244 (24 on foot, 220 by car). ► Common Loon, 70; Red-throated Loon, 60; Horned Grebe, **220**; Pied-billed Grebe, 5; Great Cormorant, 80; Great Blue Heron, 34; Black-crowned Night Heron, 1; Am. Bittern, 2; Mute Swan, 34; Canada Goose, 38; Mallard, **125**; Black Duck, 2170; Pintail, 14; Am. Widgeon, 45; Redhead, 1; Greater Scaup, 560; Common Goldeneye, 455; **Barrow's Goldeneye,** 1 (Gates party); Bufflehead, **200**; Oldsquaw, 18; Common Eider, 6; White-winged Scoter, 55; Surf Scoter, 13; Common Scoter, 4; Hooded Merganser, 1; Common Merganser, 9; Red-breasted Merganser, 320; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 17; Ruffed Grouse, 1; Bobwhite, 12; Ring-necked Pheasant, 10; Am. Coot, 1; Killdeer, 1; Common Snipe, 3; Purple Sandpiper, 120; Sanderling, 10; Glaucous Gull, 1; Great Black-backed Gull, 210; Herring Gull, 1500; Ring-billed Gull, 80; Bonaparte's Gull, 110; Razorbill, 1; Mourning Dove, 80; Screech Owl, 1; Great Horned Owl, 1; Snowy Owl, 1; Barred Owl, 1; Short-eared Owl, **6**; Belted Kingfisher, 5; Yellow-shafted Flicker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 18; Horned Lark, **470**; Blue Jay, 25; Common Crow, 170; Black-capped Chickadee, 150; Tufted Titmouse, 1 (at feeder 2 months); White-breasted Nuthatch, 12; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 1; Catbird, 1; Brown Thrasher, 4; Robin, 24; Eastern Bluebird, 8; Golden-crowned Kinglet, 2; Starling, 1175; Myrtle Warbler, 73; House Sparrow, 230; Eastern Meadowlark, 115; Redwinged Blackbird, 1; Common Grackle, 3; Brown-headed Cowbird, 22; Cardinal, 4; Evening Grosbeak, 17; Purple Finch, 28; Am. Goldfinch, 18; Rufous-sided Towhee, 9; Ipswich Sparrow, 1; Savannah Sparrow, 10; Slate-colored Junco, 75; Tree Sparrow, 150; Field Sparrow, 50; White-throated Sparrow, 80; Fox Sparrow, 20; Swamp Sparrow, 6; Song Sparrow, 50; Lapland Longspur, 25; Snow Bunting, 53. **Total,** 94 species; about 9840 individuals. (Seen in area count period, but not on count day: Red-necked Grebe, Rusty Blackbird.)—C. Blake, R. Champlin, S. Crawford, Mr. and Mrs. T. M. Curry, Jr., T. M. Curry, 3rd, Mrs. A. Davenport, E. Dearborn, Mr. and Mrs. H. Gates, J. Hammet, Mrs. K. Kinsey, D. Kraus (compiler), F. Perry, R. Weaver, George West, Richard West, C. Wood.

86. Greenwich–Stamford, Conn. (all points within a 15-mile diameter circle, center at Rockwood Lake; essentially Port Chester, N. Y. count of 45 years moved slightly).—Jan. 2; 6:30 a.m. to 5 p.m. Clear; temp. 23° to 35°; wind NW, 5 m.p.h.; 5-7-in. snow cover, lakes and ponds frozen. Fifty-nine observers in 14 parties plus feeder reports. Total party-hours, 65 (47 on foot, 18 by car); total party-miles, 291 (65 on foot, 226 by car). ► Common Loon, 3; Horned Grebe, 106; Great Cormorant, 8; Great Blue Heron, 2; Mute Swan, 27; Canada Goose, 450; Mallard, 555; Black Duck, 322; Pintail, 1; Am. Widgeon, 4; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 8; Canvasback, 150; Greater Scaup, 1525; Common Goldeneye, 185; Bufflehead, 154; Oldsquaw, 111; White-winged Scoter, 428; Surf Scoter, 55; Common Scoter, 25;

Hooded Merganser, 4; Common Merganser, 6; Red-breasted Merganser, 76; Sharp-shinned Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 13; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 10; Ruffed Grouse, 17; Ring-necked Pheasant, 35; Clapper Rail, 1; Killdeer, 12; Great Black-backed Gull, 12; Herring Gull, 982; Ring-billed Gull, 53; Mourning Dove, 273; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 55; Downy Woodpecker, 148; Blue Jay, 219; Common Crow, 499; Fish Crow, 2; Black-capped Chickadee, 499; Tufted Titmouse, 133; White-breasted Nuthatch, 132; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 9; Brown Thrasher, 3; Robin, 42; Hermit Thrush, 2; Eastern Bluebird, 104; Golden-crowned Kinglet, 2; Cedar Waxwing, 52; Starling, 5114; Myrtle Warbler, 2; House Sparrow, 645; Eastern Meadowlark, 9; Redwinged Blackbird, 7; Rusty Blackbird, 11; Common Grackle, 31; Brown-headed Cowbird, 109; Cardinal, 137; Evening Grosbeak, 1; Purple Finch, 74; House Finch, **117**; Pine Siskin, 16; Am. Goldfinch, 170; Rufous-sided Towhee, 13; Savannah Sparrow, 4; Vesper Sparrow, **42**; Slate-colored Junco, 722; **Oregon Junco, 1**; Tree Sparrow, 296; **Chipping Sparrow, 1** (I.A.); Field Sparrow, **55**; White-throated Sparrow, 180; Fox Sparrow, **39**; Swamp Sparrow, 1; Song Sparrow, 156. **Total,** 89 species; about 15,509 individuals. (Seen in area count period, but not on count day: Black-crowned Night Heron, Snow Goose, Bald Eagle, Great Horned Owl, Saw-whet Owl, Western Kingbird, Horned Lark, Mockingbird.)—Mrs. I. Alexander, R. Bennett, E. Blodgett, L. Bowen, L. Bradley, H. Brevoort and son, A. Bristow, M. Brown, Mrs. J. Carlson, Mrs. L. Chamberlain, S. Chase, A. Clayton, S. N. Comly, W. B. Cook (compiler), Mrs. G. Cutler, V. Cypher, Mr. and Mrs. R. Dix, W. Fennell, D. Fiero, E. Friend, H. Geis, E. Gilchrist, Fleur Grandjouan, E. Hamann, H. Hennington, L. Holmes, M. Howe, P. Krueger, T. Lang, Mrs. F. Mack, Mrs. J. Malone, Elizabeth S. Manning, Durr Morton, M. Ogilvy, D. Patt, J. Quarles, J. Ritchie, Mrs. J. Roop, M. Ryder, Mr. and Mrs. J. Schmid, Mr. and Mrs. W. Scofield, A. Schulman, R. Smith, P. C. Spofford, J. Stahl, J. Swallen, Dr. and Mrs. W. B. Swarts, R. Sweitzer, I. Swift, E. Toney, M. Van Winkle, Mrs. W. Wiegand, Mrs. M. Winton, J. Young (Greenwich Audubon Society and guests).

87. Hartford, Conn. (all points within a 15-mile diameter circle, center Old State House).—Jan. 1; 7 a.m. to 5 p.m. Snow, then rain; temp. 28° to 43°; wind NE, 10-35 m.p.h.; streams frozen, 10-in. snow cover. Sixty-two observers in 22 parties. Total party-hours, 58 (35 on foot, 23 by car); total party-miles, 222 (31 on foot, 191 by car). ► Mallard, 220; Black Duck, 50; Common Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Sparrow Hawk, 11; Ruffed Grouse, 3; Ring-necked Pheasant, 82; Common Snipe, 15; Herring Gull, 444; Ring-billed Gull, 5; Mourning Dove, 701; Screech Owl, 4; Snowy Owl, 1; Long-eared Owl, 10; Belted Kingfisher, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 88; Horned Lark, 286; Blue Jay, 428; Common Crow, 550; Black-capped Chickadee, 423; Tufted Titmouse, 67; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 2; Brown Creeper, 9; Carolina Wren, 4; Mockingbird, 1; Catbird, 1; Robin, 2; Eastern Bluebird, 4; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Starling, 253,454 (roost); House Sparrow, 872; Eastern Meadowlark, 36; Redwinged Blackbird, 3; Common Grackle, 497; Brown-headed Cowbird, 1397; Cardinal, 56; Evening Grosbeak, 17; Purple Finch, 40; Pine Siskin, 1; Am. Goldfinch, 8; Rufous-sided Towhee, 1; Vesper Sparrow, 1; Slate-colored Junco, 906; Tree Sparrow, 531; Field Sparrow, 6; White-throated Sparrow, 104; Fox Sparrow, 17; Swamp Sparrow, 9; Song Sparrow, 128; Snow Bunting, 104. **Total,** 57 species; about 261,695 individuals.—Mr. and Mrs. Herbert Austin, Mrs. Pauline Bartman, Robert Belden, E. Alexander Bergstrom, Bartram Cadbury, Betsy Cadbury, Walter Charsky (compiler), Theodore Edelbaum, Percy Fellows, Mrs. Leonard French, Mrs. Robert Goodell, Gladys Goodrich, Mrs. L. T. Goodrich, Ruth Ann Hawkins, Mrs. Norman Newton, Mrs. Thomas Rhines, Victoria Schuetz, Mrs. Keith Smith, Samuel Sweet, Mrs. Paul Twaddle, Mrs. Staunton Spruce Williams.

88. Litchfield Hills, Conn. (all points within a 15-mile diameter circle, center top of Wheeler Hill north of Bantam Lake as in last 5 years).—Jan. 2; 7:30 a.m. to 6 p.m. Clear; temp. 20° to 35°; wind negligible; snow too deep to walk cross country, lakes and ponds frozen. Sixteen observers in 8 parties, plus 10 at feeders only. Total party-hours, 41 (22 on foot, 19 by car); total party-miles, 138 (19 on foot, 119 by car). ► Mallard, 109; Black Duck, 44; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 7; Ring-necked Pheasant, 14; Turkey, 3; Mourning Dove, **37**; Barred Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 41; Downy Woodpecker, 58; Horned Lark, 20; Blue Jay, 287; Common Crow, 113; Black-capped Chickadee, 306; Tufted Titmouse, 8; White-breasted Nuthatch, 84; Brown Creeper, 5; Golden-crowned Kinglet, 8; Starling, 399; House Sparrow, 605; Eastern Meadowlark, 11; Common Grackle, 2; Brown-headed Cowbird, 46; Cardinal, 17; **Dickcissel, 2**; Evening Grosbeak, 17; Purple Finch, 53; Pine Grosbeak, 4; Pine Siskin, 40; Am. Goldfinch, 71; Rufous-sided Towhee, 1; Slate-colored Junco, 262; Tree Sparrow, 295; White-throated Sparrow, 8; Fox Sparrow, 4; Song Sparrow, 13. **Total,** 41 species; about 3005 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Robin, Cedar Waxwing, Common Redpoll.)—Eleanor Babbitt, Margery Boyd, Arthur Ceder, Mr. and Mrs. Jean L. Dautrich, Mitchell Gratwick, Sidney A. Hessel (compiler), George A. Hubbard, Kathryn Hubbard, Sam and Jean Lincoln, Gordon and Louise Loery, James S. Lott, Victor Lovich, Reginald and Frances Miles, Roberta Ongley, Mr. and Mrs. Nellis Reed, Winnifred D. Rouillion, Ruby Z. Silverstein, Mrs. A. S. Smith, Elizabeth C. van Dyke, Guy H. Whittall, George R. Wilson, Jr.

89. New Haven, Conn. (all points within a 15-mile diameter circle, center New Haven Green; Long Island Sound and shore 35%, upland woods 18%, fields and hedgerows 16%, bottomland woods 8%, marsh 17%, lakes and ponds 6%).—Dec. 26; 7 a.m. to 5 p.m.; temp. 20° to 40°; wind SW, 5-10 m.p.h.; lakes and ponds frozen over. Eighteen observers in 3 parties. Total party-hours, 48 (22 on foot, 26 by car); total party-miles, 200 (25 on foot, 175 by car). ► Red-throated Loon, 1; Horned Grebe, 10; Mallard, 45; Black Duck, 930; Pintail, 1; Green-winged Teal, 9; Am. Widgeon, 50; Shoveler, 3; Canvasback, 7; Greater Scaup, 87; Common Goldeneye, 133; Bufflehead, 67; Oldsquaw, 8; White-winged Scoter, 22; Common Merganser, 3; Red-breasted Merganser, 9; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 4; **Clapper Rail, 2**; Am. Coot, 1; Killdeer, 5; Purple Sandpiper, 15; Glaucous Gull, 1; Great Black-backed Gull, 24; Herring Gull, 2875; Ring-billed Gull, 455; Bonaparte's Gull, 25; Mourning Dove, 27; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 34; Horned Lark, 58; Blue Jay, 112; Common Crow, 66; Black-capped Chickadee, 207; Carolina Chickadee, 1; Tufted Titmouse, 5; White-breasted Nuthatch, 30; Brown Creeper, 3; Mockingbird, 1; Catbird, 1; Brown Thrasher, 1; Robin, 18; Eastern Bluebird, 9; Starling, 3760; Myrtle Warbler, 1; House Sparrow, 176; Eastern Meadowlark, 5; Redwinged Blackbird, 11; Common Grackle, 16; Brown-headed Cowbird, 404; Cardinal, 11; Purple Finch, 9; Am. Goldfinch, 24; Rufous-sided Towhee, 2; Slate-colored Junco, 80; Tree Sparrow, 54; Field Sparrow, 11; White-throated Sparrow, 34; Lincoln's Sparrow, 1 [no details, not underlined as unusual—Ed.]; Swamp Sparrow, 4; Song Sparrow, 34; Lapland Longspur, 6; Snow Bunting, 1. **Total,** 68 species; about 10,038 individuals. (Seen in area count period, but not on count day: Common Loon, Great Blue Heron, Am. Bittern, Snowy Owl, Evening Grosbeak.)—Elisha Atkins, Ira Brandt, Edward Budd, David Challinor, Richard English, Franklin Farrell, John Goetsch, Edward Gordon, George Greenman, Marcia Mack, Edward Morgan, Richard Quinton, Christian Rendiero, Ellen Stephenson, Elizabeth Stoddard, William Stoddard (compiler), Barry Ulman, Joseph Ulman.

90. New London, Conn. (all points within a 15-mile diameter circle, center at intersection of Gardner and Ocean Avenues, including L. I. Sound from Rocky Neck to Masons Island, Thames River north to Gales Ferry; shore and sound 45%, estuaries and bays 10%, marsh 2%, lakes 3%, deciduous woodland 15%, brushland 8%, fields 7%, suburban 10%, 11 feeding stations).—Dec. 29; 6:30 a.m. to 12 midnight. Snow turning to rain; temp. 12° to 34°; wind N, 0-15 m.p.h.; fresh water frozen, ground covered with snow. Twenty-nine observers in 10 parties. Total party-hours, 70 (10 on foot, 50 by car, 10 by boat); total party-miles, 339 (23 on foot, 261 by car, 55 by boat). ► Common Loon, 24; Red-throated Loon, 4; Red-necked Grebe, 5; Horned Grebe, 158; Pied-billed Grebe, 6; Great Cormorant, 36; Great Blue Heron, 23; Black-crowned Night Heron, 11; **Yellow-crowned Night Heron, 1** (present for days); Mute Swan, 66; Canada Goose, 20; Brant, 7; Mallard, 339; Black Duck, 612; Gadwall, 1; Pintail, 4; Green-winged Teal, 1; **European Widgeon, 2**; Am. Widgeon, 109; Wood Duck, 2; Canvasback, 19; Greater Scaup, 861; Lesser Scaup, 25; Common Goldeneye, 507; Bufflehead, 352; Oldsquaw, 10; Common Eider, 12; White-winged Scoter, 14; Surf Scoter, 31; Common Scoter, 17; **Ruddy Duck, 2**; Hooded Merganser, 73; Common Merganser, 158; Red-breasted Merganser, **1628**; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; Bobwhite, 77; Ring-necked Pheasant, 20; **Clapper Rail, 1** (P.W.); Am. Coot, 7; Killdeer, 2; Black-bellied Plover, 2; Ruddy Turnstone, 3; Greater Yellowlegs, 1; Purple Sandpiper, 37; Great Black-backed Gull, 96; Herring Gull, 3453; Ring-billed Gull, 59; Bonaparte's Gull, 21; Mourning Dove, 23; Great Horned Owl, 1; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 3; Hairy Woodpecker, 21; Downy Woodpecker, 27; Horned Lark, 25; Blue Jay, 102; Common Crow, 353; Fish Crow, 8; Black-capped Chickadee, 395; Tufted Titmouse, 12; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 1; Brown Creeper, 8; Carolina Wren, **45**; Catbird, 5; Brown Thrasher, 2; Robin, 20; Hermit Thrush, 1; Eastern Bluebird, 23; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 3; Water Pipit, 2; Cedar Waxwing, 5; Starling, 1896; Myrtle Warbler, 32; House Sparrow, 895; Eastern Meadowlark, 44; Redwinged Blackbird, 16; Common Grackle, 54; Brown-headed Cowbird, 283; Cardinal, 32; **Blue Grosbeak, 1** (at feeder since Dec. 21); Dickcissel, 2; Evening Grosbeak, 1; Purple Finch, 49; Pine Siskin, 2; Am. Goldfinch, 42; Rufous-sided Towhee, 10; Savannah Sparrow, 3; **Sharp-tailed Sparrow, 2**; **Seaside Sparrow, 3**; Slate-colored Junco, 215; Tree Sparrow, 279; Chipping Sparrow, 4; Field Sparrow, 18; White-throated Sparrow, 173; Fox Sparrow, 31; Song Sparrow, 122; Snow Bunting, 30. **Total,** 112 species; about 14,336 individuals. (Seen in area count period, but not on count day: Shoveler, Am. Woodcock, **Razorbill**.)—Mrs. R. P. Anderson, Nancy Barnes, Mr. and Mrs. K. Bates, Grace Bissell, Mrs. R. Bixler, L. Brooks, D. Colotta, W. Colotta, Mrs. B. Dench, R. Dewire, Mr. and Mrs. F. Eastman, Mr. and Mrs. H. Lee Ferguson, Jr., Mr. and Mrs. P. H. Garrett, R. H. Goodwin (compiler), Mrs. R. H. Goodwin, Mrs. J. Kashanski, Mrs. D. MacGregor, Mrs. F. Maynard, Mrs. J. Merrill, Mrs. J. Meyers, W. J. Moran, R. R. Noss, Mrs. F. Schubert, P. H. Waldron, W. L. Wylie.

91. Oxford, Conn. (all points within a 15-mile diameter circle, center Marion's Grove, Route 188, Oxford; from Southbury town line south to upper end of Derby, and from Route 67 to Housatonic River).—Dec. 24; 7 a.m. to 4:30 p.m. Partly cloudy; temp. ?°; wind W, 0-10 m.p.h.; 6-12-in. snow. One observer. Total hours, 9½ (5 on foot, 4½ by car); total miles, 41 (6 on foot, 35 by car). ► Mallard,

53; Black Duck, 6; Common Merganser, 2; Ruffed Grouse, 12; Great Black-backed Gull, 1; Herring Gull, 133; Yellow-shafted Flicker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 12; Blue Jay, 35; Common Crow, 40; Black-capped Chickadee, 104; Tufted Titmouse, 4; White-breasted Nuthatch, 12; Brown Creeper, 2; Carolina Wren, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 3; Starling, 36; House Sparrow, 39; Cardinal, 21; Evening Grosbeak, 3; Purple Finch, 10; Slate-colored Junco, 73; Tree Sparrow, 36; Field Sparrow, 17; White-throated Sparrow, 2; Song Sparrow, 7. **Total,** 28 species; about 678 individuals.—Alfred P. Harger.

92. Storrs, Conn. (all points within a 15-mile diameter circle, center Storrs Congregational Church; deciduous woodland 25%, coniferous woodland 10%, brushland 20%, fields and pastures 20%, suburban 10%, ponds and swamps 15%).—Dec. 22; 7 a.m. to 4:30 p.m. Clear; temp. 18° to 27° to 14°; wind NW, 20-25 m.p.h.; 8-in. snow, open spots, some open water. Nineteen observers in 14 parties. Total party-hours, 51 (15 on foot, 36 by car); total party-miles, 151 (34 on foot, 117 by car). ► Great Blue Heron, 2; Black Duck, 2; Goshawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 22; Ring-necked Pheasant, 2; Killdeer, 2; Herring Gull, 2; Mourning Dove, 9; Yellow-shafted Flicker, 3; Hairy Woodpecker, 12; Downy Woodpecker, 50; Horned Lark, 100; Blue Jay, 189; Common Crow, 194; Black-capped Chickadee, 371; Tufted Titmouse, 3; White-breasted Nuthatch, 64; Brown Creeper, 9; Robin, 11; Eastern Bluebird, 19; Cedar Waxwing, 14; Starling, 2126; House Sparrow, 585; Eastern Meadowlark, 25; Common Grackle, 1; Brown-headed Cowbird, 195; Dickcissel, 5; Evening Grosbeak, 4; Purple Finch, 28; Am. Goldfinch, 43; Savannah Sparrow, 2; Vesper Sparrow, 6; Slate-colored Junco, 285; Tree Sparrow, 230; Field Sparrow, 17; White-throated Sparrow, 11; Fox Sparrow, 3; Song Sparrow, 40; Lapland Longspur, 1; Snow Bunting, 4. **Total,** 42 species; about 4699 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk.) —Mrs. Arthur Bobb, Mrs. Charles Coogan, Mrs. Norman T. Davis (compiler), Mrs. Charles E. Fahey, G. Lowell Field, Kevin Hess, Mrs. Winthrop Hilding, Mary Hubbard, Mrs. Byron Janes, Marcel Kessel, B. O. Linnevold, Robert Lougee, Jerauld Manter, Richard M. May, Jr., Charles McLaughlin, Herbert G. Tag, Mrs. Phillip Taylor, A. E. Van Dusen, Arnold Wellwood (Natchaug Ornithological Society).

93. Waterbury, Conn. (all points within a 15-mile diameter circle, center Riverside Cemetery; Fenn Pond to Sandy Beach, Lake Quassapaug Cove and Lake Alice, Middlebury to pastures in northeastern Waterbury, along Naugatuck River at Platts Mills; inland lakes 15%, pastures 40%, woodland 5%, suburbs 30%, mixed conifers 10%).—Dec. 31; 7:30 a.m. to 4:30 p.m. Heavy fog along river a.m., sunny later; temp. 18° to 37°; wind NE, 1-5 m.p.h.; 3-14-in. snow cover, open water only on swiftly moving portions of brooks and river. Nine observers, 4 in 3 parties, 5 at feeders. Total party-hours, 26 (16 on foot, 2 by car, 8 on snowshoe); total party-miles, 79 (14 on foot, 55 by car, 10 on snowshoe). ► Mallard, 3; Goshawk, 1; Herring Gull, 17; Mourning Dove, 1; Hairy Woodpecker, 9; Downy Woodpecker, 20; Blue Jay, 118; Common Crow, 141; Black-capped Chickadee, 74; Tufted Titmouse, 8; White-breasted Nuthatch, 16; Robin, 2; Starling, 1885; House Sparrow, 274; Brown-headed Cowbird, 3; Cardinal, 8; Purple Finch, 5; Am. Goldfinch, 14; Rufous-sided Towhee, 2; Slate-colored Junco, 96; Tree Sparrow, 38; Field Sparrow, 1; White-throated Sparrow, 5; Fox Sparrow, 1; Song Sparrow, 2. **Total,** 25 species; about 2744 individuals. (Seen in area count period, but not on count day: Eastern Meadowlark.)—Walter L. Barrows, Mrs. Irving Daniels, Mrs. LeRoy Foote, Amelia Kukenis, J. Douglas Lunan, E. Beverly Slack (compiler), Mrs. Erna K. Slack, Marian L. Stoddard, Mary E. Yanikuny (Waterbury Naturalists Club).

94. Westport, Conn. (all points within a 15-mile diameter circle, center and coverage as in previous counts).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 22° to 38°; wind NW, 0-10 m.p.h.; 4-6-in. snow, inland lakes and ponds frozen. Sixty observers in 30 parties. Total party-hours, 130 (78 on foot, 50 by car, 2 on horseback); total party-miles, 585 (98 on foot, 481 by car, 6 by horse). ► Common Loon, 9; Red-throated Loon, 12; Horned Grebe, 88; Pied-billed Grebe, 1; Great Cormorant, 4; Great Blue Heron, 14; Black-crowned Night Heron, 26; Mute Swan, 11; Canada Goose, 15; Mallard, 1932; Black Duck, 1811; Pintail, 2; Green-winged Teal, 1; Am. Widgeon, 80; Wood Duck, 1; Ring-necked Duck, 16; Canvasback, 13; Greater Scaup, 15,000+; Lesser Scaup, 1; Common Goldeneye, 370; Bufflehead, 210; Oldsquaw, 848; White-winged Scoter, 568; Surf Scoter, 69; Common Scoter, 30; Ruddy Duck, 1; Hooded Merganser, 4; Common Merganser, 19; Red-breasted Merganser, 21; Goshawk, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 11; Marsh Hawk, 2; Sparrow Hawk, 19; Ruffed Grouse, 31; Ring-necked Pheasant, 25; Clapper Rail, 2; Am. Coot, 1; Killdeer, 12; Black-bellied Plover, 17; Ruddy Turnstone, 4; Dunlin, 74; Sanderling, 7; Great Black-backed Gull, 50; Herring Gull, 6042; Ring-billed Gull, 354; Laughing Gull, 40 (at Norwalk sewer); Bonaparte's Gull, 100; Mourning Dove, 362; Screech Owl, 2; Great Horned Owl, 2; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 6; Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 69; Downy Woodpecker, 184; Horned Lark, 125; Blue Jay, 339; Common Crow, 2447; Fish Crow, 6; Black-capped Chickadee, 1326; Tufted Titmouse, 282; White-breasted Nuthatch, 234; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 27; Mockingbird, 1; Catbird, 3; Brown Thrasher, 3; Robin, 42; Hermit Thrush, 1; Eastern Bluebird, 175; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Cedar Waxwing, 30; Northern Shrike, 1; Starling, 2805; Myrtle Warbler, 1; House Sparrow, 796; Eastern Meadowlark, 94; Redwinged Blackbird, 22; **Baltimore Oriole, 1** (regular at feeder); Rusty Blackbird, 9; Common Grackle, 8; Brown-headed Cowbird,

219; Cardinal, **254**; Evening Grosbeak, 2; Purple Finch, 59; House Finch, **75**; Pine Grosbeak, 1; Common Redpoll, 4; Pine Siskin, 2; Am. Goldfinch, 103; Rufous-sided Towhee, 14; Savannah Sparrow, 24; Sharp-tailed Sparrow, 1; Slate-colored Junco, 831; Tree Sparrow, 402; Chipping Sparrow, 6; Field Sparrow, **131**; White-throated Sparrow, 267; Fox Sparrow, 43; Swamp Sparrow, 2; Song Sparrow, 187; Lapland Longspur, 7; Snow Bunting, 278. **Total,** 111 species; about 40,329 individuals. (Seen in area count period, but not on count day: Barn Owl, Saw-whet Owl, Dickcissel, Vesper Sparrow.)—Laura Allen, C. Bartow, N. Beddall, F. Bird, E. Blodgett, L. Bradley (compiler), Alice Bristow, Helen Bristow, Mr. and Mrs. M. Brown, A. Bullard, Mrs. M. Bullard, Mrs. A. Clayton, C. Clement, R. Clement, W. Cook, C. Coombs, H. Coombs, L. Coombs, T. Coombs, D. D'Ostillio, E. Eager, J. Forbes, Mr. and Mrs. A. Foster, Mrs. E. Gilcrist, Mrs. E. S. Glines, A. Harger, M. Kline, R. Lemmon, Mrs. R. Macdonald, C. Maschal, R. Moulton, R. Moulton, Jr., Mrs. E. Murphy, Mr. and Mrs. W. Murphy, F. Novak, Mrs. M. Ogilvy, K. Ordway, Mrs. G. Peer, J. Polseno, R. Polseno, Mrs. J. C. Roop, M. Ryder, Mrs. M. Samuelson, A. Schulman, M. Schwartz, P. C. Spofford, G. Stout, P. Stout, W. Swarts, W. Sullivan, W. M. Van Winkle, J. Young, S. Young, J. Zanger, E. Zarges, H. Zarges, G. Zepko.

95. Brooklyn, L. I., N. Y. (all points within a 15-mile diameter circle, center and habitat percentages as in previous years, except 10% less salt marsh and 10% more landfill).—Dec. 24; 7 a.m. to 5 p.m. Partly cloudy; temp. 10° to 20°; wind SW, 8 m.p.h.; fresh water, salt marshes and tidal inlets frozen. Thirty observers in 8 parties. Total party-hours, 100 (all on foot); total party-miles, 90 (all on foot). ▶ Common Loon, 49; Red-throated Loon, 5; Red-necked Grebe, 1; Horned Grebe, 364; Pied-billed Grebe, 2; Great Cormorant, 1; Great Blue Heron, 2; Black-crowned Night Heron, 3; Am. Bittern, 2; Canada Goose, 3; Brant, 3551; Snow Goose, 2; **Blue Goose, 2** (all month); Mallard, 129; Black Duck, 3685; Gadwall, 8; Pintail, 1; Am. Widgeon, 2042; Shoveler, 7; Redhead, 1; Ring-necked Duck, 2; Canvasback, 498; Greater Scaup, 10,000; Common Goldeneye, 195; Bufflehead, 194; Oldsquaw, 16; **King Eider, 6** (2 drakes); White-winged Scoter, 254; Surf Scoter, 10; Common Scoter, 18; Ruddy Duck, 13; Hooded Merganser, 9; Common Merganser, 12; Red-breasted Merganser, 478; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 27; Peregrine Falcon, 2; Sparrow Hawk, 55; Ring-necked Pheasant, 5; Clapper Rail, 1; Am. Coot, 25; Killdeer, 8; Purple Sandpiper, 52; Dunlin, 106; Sanderling, 317; Glaucous Gull, 1; Iceland Gull, 2; Great Black-backed Gull, 1648; Herring Gull, 17,605; Ring-billed Gull, 1863; Laughing Gull, 1; Bonaparte's Gull, 470; Razorbill, 2; **Black Guillemot, 1** (on beach, oiled); Mourning Dove, 6; Screech Owl, 1; Snowy Owl, 1; Short-eared Owl, 38; Yellow-shafted Flicker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 13; Horned Lark, 187; Blue Jay, 43; Common Crow, 28; Fish Crow, 3; Black-capped Chickadee, 23; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 3; Robin, 17; Cedar Waxwing, 3; Loggerhead Shrike, 1; Starling, 39,000; Myrtle Warbler, 18; House Sparrow, 2485; Eastern Meadowlark, 5; Redwinged Blackbird, 51; Common Grackle, 2; Brown-headed Cowbird, 49; Cardinal, 13; Purple Finch, 5; House Finch, 6; Pine Siskin, 2; Am. Goldfinch, 7; Ipswich Sparrow, 2; Savannah Sparrow, 122; Vesper Sparrow, 1; Slate-colored Junco, 77; Tree Sparrow, 540; Field Sparrow, 3; White-throated Sparrow, 79; Fox Sparrow, 19; Swamp Sparrow, 3; Song Sparrow, 227; Lapland Longspur, 58; Snow Bunting, 95. **Total,** 97 species; about 87,012 individuals. (Seen in area count period, but not on count day: Lesser Scaup, Red-tailed Hawk, Greater Yellowlegs, Brown Creeper, Hermit Thrush, Water Pipit, Rufous-sided Towhee, Seaside Sparrow.)—Paul A. Buckley, Matthews Cashman, Bob Clermont, Ed Daly, Tom Davis, Elizabeth Feldhusen, Anna Feldhusen, Douglas Futuyma, Fred. Heath, Joseph Horowitz, Kenneth Kurada, Ann Listoken, Thompson G. Marsh, Herman Meyerdierks, Carlyle Morris, Joe Nielsen, W. J. Norse, Mary Palmer, Irene Parks, Peter W. Post, Fred Schaeffer, Lillian Scher, Henry Schiffer, Neal G. Smith, Jerome Soll, Dave Sonneborn, Esther K. Swayer, R. Janet Watson, E. J. Whelen (compiler), John C. Yrizarry.

96. Central Suffolk County, L. I., N. Y. (all points within a 15-mile diameter circle, center southeast of Manorville; same area as preceding years with more complete coverage; deciduous woods 25%, cultivated fields 5%, overgrown fields 15%, residential 10%, swamp and fresh water 15%, bay and salt marsh 20%, outer beach and ocean 10%).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 23° to 48°; wind SSW, 2-16 m.p.h.; ground partly covered with old snow, nearly all fresh water and most of salt-water bays frozen. Thirty-two observers in 9 parties. Total party-hours, 90 (59 on foot, 29 by car, 2 by boat); total party-miles, 418 (60 on foot, 356 by car, 2 by boat). ▶ Common Loon, 5; Horned Grebe, 121; Pied-billed Grebe, 4; Great Blue Heron, 46; Black-crowned Night Heron, 20; Am. Bittern, 3; Mute Swan, 506; Canada Goose, 74; Brant, 40; Mallard, 1360; Black Duck, 5843; Gadwall, 5; Pintail, 58; Green-winged Teal, 1; Am. Widgeon, 98; Shoveler, 1; Redhead, 14; Ring-necked Duck, 6; Canvasback, 53; Greater Scaup, 4813; Lesser Scaup, 20; Common Goldeneye, 179; Bufflehead, 32; Oldsquaw, 21; White-winged Scoter, 92; Common Scoter, 76; Ruddy Duck, 3; Hooded Merganser, 27; Common Merganser, 89; Red-breasted Merganser, 17; Red-tailed Hawk, 5; Marsh Hawk, 6; **Peregrine Falcon, 1; Pigeon Hawk, 1** (D.P.); Sparrow Hawk, 17; Ruffed Grouse, **10**; Bobwhite, 245; Ring-necked Pheasant, 32; King Rail, 1; Virginia Rail, 3; Sora, 1; Am. Coot, 63; Killdeer, 1; Black-bellied Plover, 4; Am. Woodcock, 5; Common Snipe, **19**; Purple Sandpiper, 1; Dunlin, 70; Sanderling, 81; Great Black-backed Gull, 165; Herring Gull, 3431; Ring-billed Gull, 275; Bonaparte's Gull, 2; Dovekie, 2; Mourning Dove, 62; Screech Owl, 1; Great Horned Owl, 1; Snowy Owl, 3; Short-eared Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 19; Hairy Woodpecker, 8; Downy Woodpecker, 48; Horned

Lark, 116 (2 Prairie); Blue Jay, 336; Common Crow, 154; Black-capped Chickadee, 258; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 9; **Short-billed Marsh Wren, 1**; Mockingbird, 3; Catbird, 3; Brown Thrasher, 3; Robin, 37; Hermit Thrush, 2; Northern Shrike, 2; Starling, 7997; Myrtle Warbler, 48; House Sparrow, 386; Eastern Meadowlark, 94; Redwinged Blackbird, 33; Rusty Blackbird, 27; Common Grackle, 2; Brown-headed Cowbird, 73; Cardinal, 13; Purple Finch, 5; House Finch, 3; Am. Goldfinch, 62; Rufous-sided Towhee, 5; Savannah Sparrow, 3; Seaside Sparrow, 2; Slate-colored Junco, 209; Tree Sparrow, 268; Field Sparrow, 38; **White-crowned Sparrow, 1** (at feeder daily); White-throated Sparrow, 109; Fox Sparrow, 18; Swamp Sparrow, 22; Song Sparrow, 154; Snow Bunting, 42. **Total,** 103 species (1 additional race); about 28,785 individuals. (Seen in area count period, but not on count day: Red-throated Loon, Rough-legged Hawk, Razorbill, Barn Owl, Long-billed Marsh Wren, Palm Warbler, Evening Grosbeak.)—Susan Baker, Bree Binnington, Arthur Cooley, Donald Coon, Carol Donahue, Maureen Donahue, Harold Evans, Gwenda Foster, Elizabeth Honnett, Philip Hubert, Mike Ince, Eva Lukert, Carolyn Marshall, Ann McKenna, Keith McKenna, W. E. Nichols, Murray Osmund, Robert Peterson, Ruth Porter, Dennis Puleston, Dennis E. Puleston, Jennifer Puleston, Peter Puleston, Gilbert S. Raynor (compiler), Daniel Shaeffer, Robert Shaeffer, Alvin Smith, Paul Stoutenburg, Walter Terry, David Weld, Tim Weld, LeRoy Wilcox.

97. Montauk, L. I., N. Y. (all points within a 15-mile diameter circle, center as in past years).—Dec. 31; 5 a.m. to 6 p.m. Clear; temp. 28° to 38°; wind SW to NW, 5-25 m.p.h.; some ground snow, marshes and fresh water frozen. Twenty-one observers in 6-9 parties. Total party-hours, 84 (52 on foot, 22 by car, 10 by boat); total party-miles, 325 (55 on foot, 240 by car, 30 by boat). ► Common Loon, 229; Red-throated Loon, 20; Horned Grebe, 185; Gannet, 2; Great Cormorant, 2; Great Blue Heron, 4; Black-crowned Night Heron, 1; Black Duck, 15; Am. Widgeon, 2; Greater Scaup, 318; Common Goldeneye, 309; Bufflehead, 315; Oldsquaw, 125; **Harlequin Duck, 2**; **Common Eider, 6**; **King Eider, 15**; White-winged Scoter, 2000+; Surf Scoter, 150; Common Scoter, 60; Red-breasted Merganser, 175; buteo (sp.), 1; Marsh Hawk, 1; Sparrow Hawk, 5; Bobwhite, 10; Ring-necked Pheasant, 2; Purple Sandpiper, **65**; Sanderling, 3; Great Black-backed Gull, 200; Herring Gull, 5000+; Ring-billed Gull, 75; **Laughing Gull,** 1; Bonaparte's Gull, 85; Black-legged Kittiwake, 67; Razorbill, 1; alcid (sp.), 1; Mourning Dove, 7; Screech Owl, 5; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 11; Blue Jay, 8; Common Crow, 30; Black-capped Chickadee, 125; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Mockingbird, 1; Robin, 2; Northern Shrike, 1; Starling, 500+; Myrtle Warbler, 214; House Sparrow, 2; Eastern Meadowlark, 8; Redwinged Blackbird, 1; Rusty Blackbird, 1; Brown-headed Cowbird, 43; Cardinal, 1; Am. Goldfinch, 13; Rufous-sided Towhee, 1; Savannah Sparrow, 5; Slate-colored Junco, 1; Tree Sparrow, 15; Field Sparrow, 3; White-throated Sparrow, 22; Fox Sparrow, 3; Song Sparrow, 30; Snow Bunting, 6. **Total,** 68 species; about 10,532 individuals.—P. A. Buckley (compiler), H. Darrow, R. G. Fisher, R. Harrison, K. Harte, F. Heath, J. L. Horowitz, F. Keil, J. Keil, J. Keil, J. Keil, K. Malone, T. Morgan, W. J. Norse, E. J. Restivo, S. Savitt, J. Wallman.

98. Northern Nassau County, L. I., N. Y. (all points within a 15-mile diameter circle, center Matinecock as in previous years; Sound shore 20%, beaches and bays 25%, deciduous woodland 30%, fields 12%, salt marsh 8%, conifer stands 5%).—Dec. 26; 3:30 a.m. to 5:30 p.m. Clear; temp. 25° to 45°; wind SW, 5-10 m.p.h.; 2-4-in. snow on ground, fresh-water ponds and smaller salt-water inlets frozen. Thirty-seven observers in 14 parties. Total party-hours, 127 (87 on foot, 36 by car, 4 by boat); total party-miles, 438 (78 on foot, 350 by car, 10 by boat). ► Common Loon, 9; Red-throated Loon, 4; Horned Grebe, 118; Pied-billed Grebe, 1; Great Cormorant, 15; Great Blue Heron, 15; Black-crowned Night Heron, 11; Mute Swan, 51; Canada Goose, 34; Brant, 1; Mallard, **1000**; Black Duck, 1915; Gadwall, 2; Pintail, 7; Green-winged Teal, 3; Am. Widgeon, 118; Canvasback, 27; Greater Scaup, 14,400; Lesser Scaup, 13; Common Goldeneye, 910; Oldsquaw, 113; White-winged Scoter, 700; Surf Scoter, 169; Common Scoter, 4; Ruddy Duck, 4; Hooded Merganser, 1; Common Merganser, 9; Red-breasted Merganser, 137; **Goshawk, 1** (all field marks—R.A.); Red-tailed Hawk, 14; Red-shouldered Hawk, 3; **Rough-legged Hawk, 2**; Marsh Hawk, 2; Sparrow Hawk, 12; Bobwhite, 20; Ring-necked Pheasant, 52; Clapper Rail, 2; Killdeer, 3; Black-bellied Plover, 2; Common Snipe, **5**; Sanderling, 3; Great Black-backed Gull, 79; Herring Gull, **6700**; Ring-billed Gull, **1360**; Laughing Gull, 1; Mourning Dove, 225; Barn Owl, 1; Screech Owl, 1; **Great Horned Owl, 1**; Long-eared Owl, 9; **Saw-whet Owl, 2**; Belted Kingfisher, 18; Yellow-shafted Flicker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 111; Horned Lark, 73; Blue Jay, 298; Common Crow, 2000; Fish Crow, 27; Black-capped Chickadee, 360; Tufted Titmouse, 4; White-breasted Nuthatch, 79; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, **19**; Mockingbird, 1; Catbird, 1; Brown Thrasher, 5; Robin, 219; Eastern Bluebird, 17; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 13; Starling, 4300; Myrtle Warbler, 18; House Sparrow, 435; Eastern Meadowlark, 68; Redwinged Blackbird, 205; Rusty Blackbird, 14; Common Grackle, 11; Brown-headed Cowbird, 113; Cardinal, **131**; Purple Finch, 46; House Finch, 67; Am. Goldfinch, 158; Rufous-sided Towhee, 31; Savannah Sparrow, 4; Slate-colored Junco, 721; Tree Sparrow, 327; Field Sparrow, 14; White-throated Sparrow, 570; Fox Sparrow, **68**; Swamp Sparrow, 25; Song Sparrow, 347. **Total,** 95 species; about 39,238 individuals. (Seen in area count period, but not on count day: Bufflehead, Am. Coot, **Red-bellied Woodpecker,** Hermit Thrush, Evening

Grosbeak, Snow Bunting.)—Richard Adelson, Karl Arbo, Will Astle, Albert Bell, Cynthia Campbell, Mr. and Mrs. Richard Cohen, Barbara Conolly, Robert Cornell, Matthew Davan, Aline Dove, Orville Dunning, J. J. Frey, Mr. and Mrs. George Fruson, Lion Gardiner, Mrs. Ruth Gardiner, Paul Gillen, Otto Heck, Skee Houghton, Elsie Klein, Jill Lamoureux, William Larrabee, Alvin May, Eugene Mudge, Mr. and Mrs. David Nathanson, Mr. and Mrs. Lawrence Plotnick, John Ricks, Dillon Ripley, Walton Sabin, Richard Sala, Elizabeth Wesley, Barbara White, Pete Wickham (compiler) (Lyman Langdon Aud. Society).

99. Orient, L. I., N. Y. (all points within a 15-mile diameter circle, center as described in 1950).—Dec. 30; 8 a.m. to 4:40 p.m.; temp. 32° to 41°; wind NW, light. Three observers in 1 party. Total party-hours, 8½ (5½ on foot, 3 by car); total party-miles, 30 (6 on foot, 24 by car). ► Common Loon, 5; Red-throated Loon, 3; Horned Grebe, 15; Great Cormorant, 3; Mallard, 2; Black Duck, 350; Greater Scaup, 8; Common Goldeneye, 150; Bufflehead, 2; Oldsquaw, 165; White-winged Scoter, 320; Surf Scoter, 28; Common Scoter, 2; Common Merganser, 2; Red-breasted Merganser, 7; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Great Black-backed Gull, 42; Herring Gull, 250; Ring-billed Gull, 62; Mourning Dove, 18; Snowy Owl, 2; Yellow-shafted Flicker, 5; Downy Woodpecker, 1; Horned Lark, 135; Blue Jay, 1; Common Crow, 2; Black-capped Chickadee, 5; Brown Thrasher, 1; Robin, 3; Starling, 275; Myrtle Warbler, 2; House Sparrow, 70; Eastern Meadowlark, 8; Cardinal, 1; Am. Goldfinch, 9; Slate-colored Junco, 2; Tree Sparrow, 3; Song Sparrow, 35; Snow Bunting, 68. **Total,** 40 species; about 2070 individuals. (Seen in area count period, but not on count day: Rough-legged Hawk.)—Robert S. Mathews (compiler), Mary and Muriel Taylor.

100. Quogue to Watermill, L. I., N. Y. (all points within a 15-mile diameter circle, center as in previous years).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 25° to 36°; wind NW to SW, 5-10 m.p.h. Four observers in 2 parties. Total party-hours, 20 (2 on foot, 18 by car); total party-miles, 163 (4 on foot, 159 by car). ► Common Loon, 10; Red-throated Loon, 2; Horned Grebe, 22; Great Blue Heron, 9; Black-crowned Night Heron, 2; Mute Swan, 16; Canada Goose, 160; Brant, 270; Mallard, 19; Black Duck, 575; Pintail, 2; European Widgeon, 1; Am. Widgeon, 802; Redhead, 1; Greater Scaup, 500; Common Goldeneye, 194; Bufflehead, 99; Oldsquaw, 115; **King Eider, 2**; White-winged Scoter, 198; Common Scoter, 2; Red-breasted Merganser, 11; Red-tailed Hawk, 2; Sparrow Hawk, 10; Bobwhite, 26; Ring-necked Pheasant, 20; Black-bellied Plover, 2; Common Snipe, 3; Purple Sandpiper, 1; Dunlin, 97; Sanderling, 161; Great Black-backed Gull, 83; Herring Gull, 3170; Ring-billed Gull, 47; Bonaparte's Gull, 43; Mourning Dove, 18; Snowy Owl, 3; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 2; Blue Jay, 20; Common Crow, 30; Black-capped Chickadee, 40; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Mockingbird, 2; Brown Thrasher, 1; Robin, 6; Starling, 412; Myrtle Warbler, 17; House Sparrow, 124; Eastern Meadowlark, 11; Redwinged Blackbird, 5; Common Grackle, 2; Brown-headed Cowbird, 91; Cardinal, 2; Purple Finch, 1; House Finch, 6; Rufous-sided Towhee, 5; Slate-colored Junco, 28; Tree Sparrow, 8; Field Sparrow, 3; White-throated Sparrow, 36; Fox Sparrow, 2; Song Sparrow, 13. **Total,** 69 species; about 7586 individuals. (Seen in area count period, but not on count day: Dickcissel.)—Henry Halama, Gilbert Raynor, Walter Terry, LeRoy Wilcox (compiler).

101. Smithtown, L. I., N. Y. (all points within a 15-mile diameter circle, center Smithtown, including St. James Harbor, Nissequogue River, Short and Long Beach, Conscience Bay, Old Field Point).—Dec. 29; 4:30 a.m. to 5 p.m. Clear; temp. 6° to 18°; wind E, 10 m.p.h. Four observers in 2 parties. Total party-hours, 40 (36 on foot, 4 by car); total party-miles, 126 (18 on foot, 108 by car). ► Common Loon, 15; Horned Grebe, 65; Pied-billed Grebe, 2; Great Blue Heron, 6; Black-crowned Night Heron, 16; Mute Swan, 17; Canada Goose, 60; Snow Goose, 1; Mallard, 400; Black Duck, 900; Gadwall, 2; Pintail, 3; Am. Widgeon, 35; Ring-necked Duck, 30; Greater Scaup, 5; Lesser Scaup, 12; Common Goldeneye, 75; Bufflehead, 14; Oldsquaw, 150; White-winged Scoter, 3200; Surf Scoter, 25; Hooded Merganser, 2; Red-breasted Merganser, 80; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Bobwhite, 35; Ring-necked Pheasant, 40; Virginia Rail, 1; Am. Coot, 25; Killdeer, 1; **Am. Woodcock, 1**; Great Black-backed Gull, 36; Herring Gull, 2800; Ring-billed Gull, 600; Mourning Dove, 265; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 35; Horned Lark, 4; Blue Jay, 6; Common Crow, 40; Black-capped Chickadee, 35; White-breasted Nuthatch, 3; Winter Wren, 1; Carolina Wren, 3; Catbird, 3; Brown Thrasher, 1; Robin, 125; Golden-crowned Kinglet, 5; Starling, 175; Myrtle Warbler, 6; House Sparrow, 60; Eastern Meadowlark, 37; Redwinged Blackbird, 6; Rusty Blackbird, 81; Common Grackle, 3; Cardinal, 28; Purple Finch, 2; Common Redpoll, 1; Am. Goldfinch, 70; Rufous-sided Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 30; Tree Sparrow, 100; Field Sparrow, 1; White-throated Sparrow, 75; Fox Sparrow, 7; Swamp Sparrow, 4; Song Sparrow, 55. **Total,** 71 species; about 9939 individuals.—James G. Ralston, Robert Ralston (compiler), Walton Sabin, Allan Walker.

102. Southern Nassau County, L. I., N. Y. (all points within a 15-mile diameter circle, center in Baldwin Bay; Putnam Blvd. at Atlantic Beach east to include Tobay Sanctuary at Jones Beach, north to Stewart Ave., East Meadow and Garden City; area extends 4½ miles into ocean off Jones Inlet; parks and suburban 40%, beaches and bays 30%, open ocean 30%).—Jan. 2; 6:30 a.m. to 5 p.m. Clear; temp. 29° to 36°; no wind. Thirty-seven observers in 9 parties. Total party-hours, 85 (65 on foot, 15 by car, 5 by boat); total party-miles, 260 (100 on foot, 150 by car, 10 by boat). ► Common Loon, 7; Red-

throated Loon, 14; Horned Grebe, 563; Pied-billed Grebe, 6; Gannet, 5; Double-crested Cormorant, 8; Great Blue Heron, 80; Black-crowned Night Heron, 83; Am. Bittern, 7; Mute Swan, 21; Canada Goose, 21; Brant, **27,000**; Snow Goose, 1; Mallard, **812**; Black Duck, 5045; Gadwall, 88; Pintail, 64; Green-wing Teal, 63; European Widgeon, 1; Am. Widgeon, 995; Shoveler, 67; Ring-necked Duck, 47; Canvasback, 217; Greater Scaup, 1158; Lesser Scaup, 4; Common Goldeneye, 4; Bufflehead, 10; Oldsquaw, 140; **Harlequin Duck, 1**; **King Eider, 3**; White-winged Scoter, 831; Surf Scoter, 85; Common Scoter, 197; Ruddy Duck, 3; Hooded Merganser, 57; Common Merganser, 2; Red-breasted Merganser, 448; Cooper's Hawk, 1; Marsh Hawk, 11; Sparrow Hawk, 27; Bobwhite, 19; Ring-necked Pheasant, 4; Clapper Rail, 1; Am. Coot, 94; Killdeer, 11; Black-bellied Plover, 28; Am. Woodcock, 1; Common Snipe, 5; Purple Sandpiper, **145**; Dunlin, **750**; Sanderling, 307; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 704; Herring Gull, 17,587; Ring-billed Gull, **1274**; **Black-headed Gull, 1**; Laughing Gull, 1; Bonaparte's Gull, **196**; Black-legged Kittiwake, 13; Thick-billed Murre, **6**; Dovekie, 1; Mourning Dove, 286; Barn Owl, 1; Snowy Owl, **4**; Long-eared Owl, 5; Short-eared Owl, **8**; Belted Kingfisher, 9; Yellow-shafted Flicker, 20; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, **71**; Horned Lark, 161; Tree Swallow, **29**; Blue Jay, **306**; Common Crow, 202; Fish Crow, 2; Black-capped Chickadee, 80; White-breasted Nuthatch, **27**; Red-breasted Nuthatch, 8; Brown Creeper, 4; Winter Wren, 1; Mockingbird, 1; Catbird, 2; Brown Thrasher, 5; Robin, 46; Hermit Thrush, 2; Golden-crowned Kinglet, 3; Cedar Waxwing, 6; Northern Shrike, 1; Loggerhead Shrike, 1; Starling, 3336; Myrtle Warbler, 349; House Sparrow, 1058; Eastern Meadowlark, 34; Redwinged Blackbird, 74; Rusty Blackbird, 7; Common Grackle, 7; Brown-headed Cowbird, 478; Cardinal, **18**; House Finch, **217**; Pine Siskin, 8; Am. Goldfinch, 61; Rufous-sided Towhee, 1; Ipswich Sparrow, 5; Savannah Sparrow, 19; Sharp-tailed Sparrow, 1; Vesper Sparrow, 1; Slate-colored Junco, 238; Tree Sparrow, 414; Chipping Sparrow, 1; Field Sparrow, 25; White-throated Sparrow, 180; Fox Sparrow, 78; Swamp Sparrow, 7; Song Sparrow, 487; Lapland Longspur, 1; Snow Bunting, 138. **Total,** 118 species; about 67,893 individuals. (Seen in area count period, but not on count day: Saw-whet Owl.)—Robert Arbib, Jr., Kenneth Berlin, Dr. and Mrs. Benjamin Berliner, Ned Boyajian, Paul Buckley, Irving Cantor, Geoffrey Carleton, Mr. and Mrs. Gene Clifford, Harry Darrow, Adrian Dignan, Eugene Eisenmann, John Elliott, Earl Good, Richard Harrison, Douglas Heilbrun, Helen Hirschbein, Emanuel Levine, Michael MacKenzie, Eugene Mudge, William Norse, Hugh Pembleton, Alan Penberthy, Roger Preisick, Richard Ryan, Seymour Schiff, Edwin Simon, Mr. and Mrs. Richard Sloss (compilers), Robert Snyder, David Sonneborn, Hazel Sullivan, Muriel Taylor, Thomas Urquhart, Cornelius Ward, Alvin Wollins.

103. **Binghamton, N. Y.** (all points within a 15-mile diameter circle, center ½ mile south of East Maine as in previous years).—Jan. 2; 3 a.m. to 5:30 p.m. Snow flurries; temp. 17° to 41°; wind variable, 0-15 m.p.h.; 15-in. snow on ground, water areas mostly frozen. Twenty observers in 7 parties. Total party-hours, 52 (22 on foot, 30 by car); total party-miles, 378 (21 on foot, 357 by car). ► Horned Grebe, 1; Mallard, 10; Black Duck, 116; scaup (sp.), 2; Hooded Merganser, 1; Common Merganser, 6; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 28; Herring Gull, 140; Ring-billed Gull, 4; Mourning Dove, 2; Great Horned Owl, 5; Barred Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 19; Downy Woodpecker, 64; Horned Lark, 2; Blue Jay, 238; Common Crow, 178; Black-capped Chickadee, 247; Tufted Titmouse, 18; White-breasted Nuthatch, 48; Red-breasted Nuthatch, 2; Brown Creeper, 19; Robin, 3; Golden-crowned Kinglet, 14; Cedar Waxwing, 121; Starling, 2352; Myrtle Warbler, 1; House Sparrow, 1059; Eastern Meadowlark, 5; Redwinged Blackbird, 4; Brown-headed Cowbird, 14; Cardinal, 42; Purple Finch, 39; Pine Siskin, 6; Am. Goldfinch, 164; Slate-colored Junco, 125; Tree Sparrow, 509; White-throated Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 20. **Total,** 48 species; about 5646 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Screech Owl, Snowy Owl, Winter Wren, Catbird, Evening Grosbeak, Snow Bunting.)—W. Bartlett, Mr. and Mrs. J. Beaver, L. Bemont (compiler), T. Buckley, Jean Doren, Lena Hevey, S. Lincoln, Florence Linaberry, Gail Marsi, Mrs. F. Marsi, Valerie Misner, Mr. and Mrs. W. Reeves, Mr. and Mrs. R. Sheffield, Dr. and Mrs. N. Washburn, N. Washburn, Jr., Elinor Whitson (The Naturalists' Club).

104. **Bronx–Westchester Region, N. Y.** (all points within a 15-mile diameter circle, center New Rochelle as in previous years).—Dec. 26; 5 a.m. to 6 p.m. Clear; temp. 32° to 41°; wind SW, 10-15 m.p.h.; ground mostly covered with snow, fresh-water ponds and marshes frozen. Sixty-seven observers in 17 parties. Total party-hours, 130 (90 on foot, 40 by car); total party-miles, 200 (120 on foot, 80 by car). ► Common Loon, 4; Red-throated Loon, 3; Horned Grebe, **127**; Great Cormorant, 8; Great Blue Heron, 12; Black-crowned Night Heron, 26; Am. Bittern, 2; Mute Swan, **17**; Canada Goose, 326; Mallard, **890**; Black Duck, 1870; Pintail, 4; Green-winged Teal, 2; **Blue-winged Teal, 1** (drake, present weeks); **European Widgeon, 1**; Am. Widgeon, **370**; Shoveler, 1; Wood Duck, 2; Redhead, **3**; Canvasback, **3690**; Greater Scaup, 10,800; Lesser Scaup, 17; Common Goldeneye, 460; Bufflehead, 290; Oldsquaw, 71; White-winged Scoter, 40; Ruddy Duck, 59; Hooded Merganser, 43; Common Merganser, 34; Red-breasted Merganser, 95; Cooper's Hawk, 1; Red-tailed Hawk, **24**; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, **9**; Sparrow Hawk, 35; **Ruffed Grouse, 1**; Ring-necked Pheasant, **290**; Clapper Rail, **4**; Virginia Rail, 1; Killdeer, 59; Common Snipe, 3; Purple Sandpiper, 50; **Dunlin, 10**; Sanderling, 6; Great Black-backed Gull, 260; Herring Gull, 17,800;

Ring-billed Gull, 406; **Laughing Gull, 1**; Bonaparte's Gull, **236**; **alcid (sp.), 2**; Mourning Dove, **210**; Barn Owl, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Long-eared Owl, **21**; Short-eared Owl, 9; Belted Kingfisher, 7; Yellow-shafted Flicker, 7; Hairy Woodpecker, 60; Downy Woodpecker, **155**; Horned Lark, 115; Blue Jay, **830**; Common Crow, 540; Fish Crow, 33; Black-capped Chickadee, **890**; Tufted Titmouse, **180**; White-breasted Nuthatch, 132; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 3; Long-billed Marsh Wren, 1; **Mockingbird, 1**; Catbird, 1; Brown Thrasher, 7; Robin, 38; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 5; **Ruby-crowned Kinglet, 1**; Water Pipit, 19; Cedar Waxwing, 33; Starling, 4270; Myrtle Warbler, 2; House Sparrow, 1837; Eastern Meadowlark, 41; Redwinged Blackbird, 270; Rusty Blackbird, 11; Common Grackle, 9; Brown-headed Cowbird, 125; Cardinal, **178**; Evening Grosbeak, 3; Purple Finch, **55**; House Finch, 16; Am. Goldfinch, 200; Rufous-sided Towhee, **15**; Savannah Sparrow, 6; Vesper Sparrow, 1; Slate-colored Junco, 820; Tree Sparrow, 770; **Chipping Sparrow, 1** (all field marks—K.M.); Field Sparrow, **150**; White-throated Sparrow, 455; Fox Sparrow, **72**; Swamp Sparrow, 24; Song Sparrow, **690**; **Lapland Longspur, 12**; Snow Bunting, 4. **Total,** 110 species; about 51,827 individuals. (Seen in area count period, but not on count day: **Dickcissel**.)—Robert B. Arbib, Robert S. Arbib, Jr., Naomi Arthur, J. Bardsley, Paul Buckley, I. Cantor, G. Carleton, Harry Darrow, T. Davis, E. Eisenmann, William Ephraim, W. Feigin, R. Fisher, Stuart Friedman, D. Futuyma, Mrs. Milton Goell, Mr. and Mrs. G. Hancox, Mr. and Mrs. Wallace Harper, Watson Hastings, F. Heath, Dr. and Mrs. R. Heffron, Eliot Hirshberg, J. Horowitz, Mr. and Mrs. J. Jordan, Jeddu and Julius Keil, R. T. Kesner, L. Leibman, Emanuel Levine, Norman Levine, Elizabeth S. Manning, Grace Meleney, A. Milch, Mrs. M. Muhleman, W. J. Norse (compiler), Margaret Payne, J. Philips, P. W. Post, T. Robben, R. A. Sloss, D. Sonneborn, P. Steineck, S. Stepinoff, Al Thomas, Carolyn Trager, R. Wands, J. Weintraub, T. Zorach.

105. Buffalo, N. Y. (all points within a 15-mile diameter circle, center on Grand Island as in previous years).—Dec. 26; 7:30 a.m. to 5 p.m. Overcast, rain p.m.; temp. 31° to 40°; wind SW, 5-15 m.p.h.; snow on ground, complete ice bridge in Niagara Gorge, streams frozen, river ¾ full ice. Thirty-one observers in 14 parties. Total party-hours, 98 (30 on foot, 68 by car); total party-miles, 572 (55 on foot, 517 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 5; Mallard, 355; Black Duck, 671; Pintail, 4; Am. Widgeon, 7; Redhead, 17; Canvasback, 8207; Greater Scaup, 2263; Lesser Scaup, 4; Common Goldeneye, 2765; Bufflehead, 25; Oldsquaw, 8; **King Eider, 2** (B.N.); White-winged Scoter, 1; Common Scoter, 1; Ruddy Duck, 1; Hooded Merganser, 1; Common Merganser, 4767; Red-breasted Merganser, 823; Red-tailed Hawk, **59**; **Red-shouldered Hawk, 1**; Rough-legged Hawk, **12**; Marsh Hawk, 2; Sparrow Hawk, 39; Ring-necked Pheasant, 130; Glaucous Gull, 1; Great Black-backed Gull, 198; Herring Gull, 10,768; Ring-billed Gull, 1099; Bonaparte's Gull, 25; Mourning Dove, [illegible]; Snowy Owl, 2; Short-eared Owl, 26; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, [illegible]; Red-headed Woodpecker, 1; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 10; Downy Woodpecker, 49; Horned Lark, 3; Blue Jay, 141; Common Crow, 355; Black-capped Chickadee, 87; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown Creeper, 26; Robin, 8; Hermit Thrush, 1; Golden-crowned Kinglet, 33; Northern Shrike, 2; Starling, 8289; Myrtle Warbler, 2; House Sparrow, 995; Redwinged Blackbird, 2; Common Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 28; Pine Siskin, 1; Am. Goldfinch, 28; Rufous-sided Towhee, 1; Slate-colored Junco, 37; Tree Sparrow, 249; White-throated Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 19. **Total,** 67 species; about 42,694 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Mockingbird.)—Harold H. Axtell, Rachel C. Axtell, Sylvia Brockner, Winston W. Brockner, Richard Brownstein, Arthur Clark, Mary Louise Emerson, Mrs. Bradley Fisk, Arthur Freitag, Richard Freitag, Harold Freund, Philip Greene, Cathie Hall, Fred T. Hall, Harriette Klabunde, Walter Klabunde, Anthony Krayna, Harold D. Mitchell, Bernard Nathan, Richard Rosche, Arthur Schaffner, Edward L. Seeber, David Thompson, Alice E. Ulrich, Edward C. Ulrich (compiler), Elinor Vaughan, William C. Vaughan, Gertrude Webster, Margaret Wendling, Marie Wendling, Albert J. Wright.

106. Catskill–Coxsackie, N. Y. (all points within a 15-mile diameter circle, center Green Lake, Hudson River on eastern border).—Dec. 31; 8:30 a.m. to 5 p.m. Sunny; temp. 25° to 30°; wind 0-5 m.p.h.; snow-covered ground, Hudson River and streams frozen. Two observers in 1 party. Total party-hours, 8½ (1½ on foot, 7 by car); total party-miles, 40 (5 on foot, 35 by car). ► Red-tailed Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 5; Ring-necked Pheasant, 5; Mourning Dove, 21; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 8; Horned Lark, 100; Blue Jay, 27; Common Crow, 40; Black-capped Chickadee, 19; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 2; Cedar Waxwing, 15; Starling, 850; House Sparrow, 45; Eastern Meadowlark, 10; Cardinal, 9; Am. Goldfinch, 30; Slate-colored Junco, 5; Tree Sparrow, 3; White-throated Sparrow, 3; Song Sparrow, 5. **Total,** 26 species; about 1216 individuals. [Osprey with no details, not even underlined as unusual removed from list—Ed.]—Elizabeth A. Feldhusen (compiler), Catharine Thorne (Greene County Bird Club).

107. Central Orleans County, N. Y. (all points within a 15-mile diameter circle, center Five Corners in Gaines as in previous years).—Dec. 29; 7 a.m. to 5 p.m. Cloudy to clear; temp. 31° to 27°; wind W, 5-20 m.p.h.; 6-10-in. snow, ponds and streams frozen. Three observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 92 (6 on foot, 86 by car). ► Horned Grebe, 1; Mallard, 2; Redhead, 1; Ring-necked Duck, 3; Canvasback, 2;

Greater Scaup, 5; Lesser Scaup, 5; Common Goldeneye, 506; Bufflehead, 2; Oldsquaw, 2; Common Merganser, 9; Red-breasted Merganser, 4; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 8; Ring-necked Pheasant, 10; Great Black-backed Gull, 1; Herring Gull, 12; Ring-billed Gull, 8; Mourning Dove, 93; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 28; Blue Jay, 1; Common Crow, 35; Black-capped Chickadee, 33; White-breasted Nuthatch, 2; Golden-crowned Kinglet, 5; Cedar Waxwing, 3; Loggerhead Shrike, 3 [no details—Ed.]; Starling, 735; House Sparrow, 488; Cardinal, 3; Slate-colored Junco, 40; Tree Sparrow, 60; Song Sparrow, 2. **Total,** 38 species; about 2121 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Yellow-shafted Flicker, Swamp Sparrow.)—George Lippert (compiler), Wilfred Weeks, Leona Wells.

108. Chatham, N. Y. (all points within a 15-mile diameter circle, center same as last year).—Jan. 2; 8 a.m. to 5 p.m. Overcast a.m., clear p.m.; temp. 20° to 28°; wind NNW, 5-15 m.p.h.; 4-in. new snow on 3-in. base, rivers and lakes frozen. Thirteen observers in 4 parties. Total party-hours, 29 (13 on foot, 16 by car); total party-miles, 205 (15 on foot, 190 by car). ► Red-tailed Hawk, 5; Rough-legged Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 4; Bobwhite, 6; Ring-necked Pheasant, 14; Mourning Dove, 154; **Barn Owl, 1**; Great Horned Owl, 1; **Short-eared Owl, 1**; Pileated Woodpecker, 2; Hairy Woodpecker, 39; Downy Woodpecker, 91; Horned Lark, 277; Blue Jay, 160; Common Crow, 202; Black-capped Chickadee, 520+; Tufted Titmouse, 4; White-breasted Nuthatch, 58; Brown Creeper, 3; Robin, 1; Golden-crowned Kinglet, 3; Starling, 420; House Sparrow, 600; Eastern Meadowlark, 15; Brown-headed Cowbird, 18; Cardinal, 16; Evening Grosbeak, 13; Purple Finch, 28; Pine Siskin, 20; Am. Goldfinch, 24; Rufous-sided Towhee, 1; Slate-colored Junco, 180; Tree Sparrow, 525+; White-throated Sparrow, 2; Song Sparrow, 8. **Total,** 36 species; more than 3421 individuals. (Seen in area count period, but not on count day: Goshawk, Marsh Hawk, Screech Owl, Belted Kingfisher, Yellow-shafted Flicker, Cedar Waxwing, Northern Shrike, Common Redpoll, Red Crossbill, Snow Bunting.)—Hortense Barten, Arlene Brown, Thomas Brown, Juanita Cook, Aden Gokay, Mary Mickle, Allen Page, Barbara Page, William Page, Eleanor Radke (compiler), Irma Reeve, Edgar Reilly, Jr., Beatrice Shineman (Alan Devoe Bird Club).

109. Conesus–Hemlock–Honeoye Lakes, N. Y. (all points within a 15-mile diameter circle, center Hemlock Lake outlet).—Jan. 2; 6 a.m. to 5 p.m. Overcast and light snow to sunny; temp. 20° to 30°; no wind; 12-14-in. snow cover, lakes frozen. Twenty observers in 7 parties. Total party-hours, 36 (11 on foot, 25 by car); total party-miles, 296 (28 on foot, 268 by car). ► Black Duck, 10; **Wood Duck, 1**; Red-tailed Hawk, **35**; **Rough-legged Hawk, 9**; Marsh Hawk, 1; **Pigeon Hawk, 1**; Sparrow Hawk, **14**; Ruffed Grouse, 4; Ring-necked Pheasant, 2; Herring Gull, 6; Mourning Dove, 13; Screech Owl, 2; Great Horned Owl, 4; **Long-eared Owl, 1**; **Short-eared Owl, 1**; Yellow-shafted Flicker, 6; Pileated Woodpecker, **8**; Red-bellied Woodpecker, **8**; Hairy Woodpecker, **43**; Downy Woodpecker, **76**; Horned Lark, **119**; Blue Jay, **238**; Common Crow, **422**; Black-capped Chickadee, 154; White-breasted Nuthatch, **65**; Brown Creeper, 7; Robin, 13; Golden-crowned Kinglet, 13; Cedar Waxwing, 50; Northern Shrike, **3**; Starling, 359; House Sparrow, **1195**; Eastern Meadowlark, 4; **Brown-headed Cowbird, 12**; Cardinal, **30**; Purple Finch, 5; **Pine Siskin, 100**; Am. Goldfinch, 18; Slate-colored Junco, **49**; Tree Sparrow, **463**; Song Sparrow, 5; Snow Bunting, **2002**. **Total,** 42 species; about 5571 individuals.—James Barlow, Dort A. Cameron (compiler), Shirley H. Cameron, John W. Foster, Jean Haller, E. Hyder, Allan Klonick, John Klonick, Walter C. Listman, Alfred Maley, Barry May, Robert G. McKinney, Howard S. Miller, John Mitchell, Phillip Petsos, Alfred Starling, Stephen Taylor, Thomas Tetlow, A. Wray, Peter H. Zachmann.

110. Dutchess County, N. Y. (all points within a 15-mile diameter circle, center Pleasant Valley, west to Hudson River, east to Millbrook; open farmland 30%, half-abandoned estates and Vassar College campus 30%, wooded areas along open streams 30%, Hudson River 10%).—Jan. 2; 8 a.m. to 5:30 p.m.; temp. 0° to 28°; wind N, 10 m.p.h.; 6-10-in. snow, streams open. Twenty-eight observers in 9 parties. Total party-hours, 54 (14 on foot, 40 by car); total party-miles, 334 (15 on foot, 319 by car). ► Mallard, 18; Black Duck, 11; Red-tailed Hawk, **27**; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 7; Bobwhite, 15; Ring-necked Pheasant, 125; Great Black-backed Gull, 1; Herring Gull, 52; Mourning Dove, 166; Great Horned Owl, 4; Barred Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, **14**; Hairy Woodpecker, 14; Downy Woodpecker, 51; Horned Lark, 206; Blue Jay, 276; Common Crow, **5614**; Black-capped Chickadee, 434; Tufted Titmouse, **34**; White-breasted Nuthatch, 58; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 1; **Mockingbird, 1**; Robin, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Starling, 2300; House Sparrow, 590; Eastern Meadowlark, 138; Redwinged Blackbird, 2; Rusty Blackbird, 1; Common Grackle, 2; Brown-headed Cowbird, 63; Cardinal, 85; Evening Grosbeak, 17; Purple Finch, 15; Am. Goldfinch, 53; Slate-colored Junco, 423; Tree Sparrow, 402; Field Sparrow, 3; White-throated Sparrow, 16; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 23. **Total,** 52 species; about 11,297 individuals. (Seen in area count period, but not on count day: Screech Owl, Snowy Owl, Cedar Waxwing, Snow Bunting.)—Marguerite Brands, Trudy Brow, Bill and Louise Chrystal, Jane Camp, Raymond Connelly, George Decker, Sallie Draney, Walter Claire, Jr., Florence Germond (compiler), Victor Grover, Thelma Haight, Alice Jones, Earle Lasher, Dorothy Lloyd, Helen Manson, George Nash, Eleanor Pink, Emilie Skidmore, Marian Van Wagner, Ginny and Otis Waterman, Bradford Whiting.

111. Elmira, N. Y. (all points within a 15-mile diameter circle, center Mark Twain Golf Course as past 10 years).—Jan. 2; 8 a.m. to 5:30 p.m. Mostly cloudy; temp. 22° to 38°; wind SW, 0-5 m.p.h.; 15-18-in. new snow, few open spots in river. Twenty-one observers in 9 parties. Total party-hours, 44 (20 on foot, 24 by car); total party-miles, 349 (14 on foot, 335 by car). ► Great Blue Heron, 1; **Brant, 1** (on river since Nov. 2); Mallard, 19; Black Duck, 67; Common Goldeneye, 10; Common Merganser, 20; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, **15**; Marsh Hawk, 2; Sparrow Hawk, 25; Ruffed Grouse, 1; Ring-necked Pheasant, 27; **Am. Coot, 1** (wintering with ducks); **Killdeer, 4**; Herring Gull, 165; Ring-billed Gull, 475; Mourning Dove, 10; Barn Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 35; Downy Woodpecker, 118; Horned Lark, 241; Blue Jay, 462; Common Crow, 267; Black-capped Chickadee, 263; Tufted Titmouse, 27; White-breasted Nuthatch, 95; Red-breasted Nuthatch, 1; Brown Creeper, 6; Carolina Wren, 2; **Mockingbird, 1** (at feeder daily); Robin, 2; Golden-crowned Kinglet, 12; Cedar Waxwing, 125; Starling, **4046**; House Sparrow, 1587; Eastern Meadowlark, 8; Redwinged Blackbird, 50; Brown-headed Cowbird, 26; Cardinal, 76; Evening Grosbeak, 8; Purple Finch, 19; Common Redpoll, 95; Pine Siskin, 70; Am. Goldfinch, 125; **Savannah Sparrow, 1**; Slate-colored Junco, 504; Tree Sparrow, **995**; White-throated Sparrow, 4; **Fox Sparrow, 1**; Song Sparrow, 25; Snow Bunting, 3. **Total,** 57 species; about 10,168 individuals.—Elmer Brimmer, Theodora Brimmer, Gerald Hood, Norma Hood, Mr. and Mrs. Robert Ruggles, Joseph A. Smith, Mary Smith, George Welles, Mary Welles (compiler) (Chemung Valley Audubon Society).

112. Fort Plain, N. Y. (all points within a 15-mile diameter circle, center Fort Plain; mixed woods 40%, swamps and river flats 50%, open farmland 10%).—Dec. 31; 7:15 a.m. to 5:30 p.m. Fair a.m., cloudy p.m.; temp. 25° to 26°; wind NW, light; 8-in. snow on ground, open stretches on river. One observer. Total hours, 10¼ (9 on foot, 1¼ by car); total miles, 18 (6 on foot, 12 by car). ► Horned Grebe, 1; Common Merganser, 30; Red-tailed Hawk, 1; Sparrow Hawk, 1; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 7; Common Crow, 13; Black-capped Chickadee, 31; White-breasted Nuthatch, 8; Brown Creeper, 3; Golden-crowned Kinglet, 6; Starling, 141; House Sparrow, 27; Redwinged Blackbird, 2; Purple Finch, 1; Pine Siskin, 6; Am. Goldfinch, 20; Tree Sparrow, 10; Song Sparrow, 4. **Total,** 21 species; about 318 individuals.—Douglas Ayres, Jr.

113. Geneva, N. Y. (all points within a 15-mile diameter circle, center at north city line, including 7 miles of north end of Seneca Lake as in previous years).—Jan. 31; 7 a.m. to 5 p.m. Clear; temp. 20° to 30°; wind S, 6 m.p.h.; 3-in. snow on ground, Seneca Lake not frozen. Six observers in 4 parties. Total party-hours, 33 (6 on foot, 27 by car); total party-miles, 132 (6 on foot, 126 by car). ► Horned Grebe, 37; Mallard, 3; Black Duck, 309; Redhead, **1400**; Ring-necked Duck, 70; Canvasback, **1200**; Greater Scaup, 100; Lesser Scaup, **1600**; Common Goldeneye, 150; **Barrow's Goldeneye, 3** (3 drakes at 300 yards—P.T.); Bufflehead, 15; Oldsquaw, **21**; Ruddy Duck, 1; Hooded Merganser, 1; Common Merganser, 1; Red-breasted Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 5; Sparrow Hawk, 6; Ring-necked Pheasant, 30; Am. Coot, 57; Great Black-backed Gull, 7; Herring Gull, 200; Ring-billed Gull, 20; Mourning Dove, 11; Screech Owl, 1; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 16; Horned Lark, 3; Blue Jay, 15; Common Crow, 700; Black-capped Chickadee, 74; **Tufted Titmouse, 1** (at feeder 3 weeks); White-breasted Nuthatch, 18; Brown Creeper, 3; Cedar Waxwing, 15; Starling, 817; House Sparrow, 560; Brown-headed Cowbird, 10; Cardinal, 21; Pine Siskin, 25; Slate-colored Junco, 37; Tree Sparrow, 108; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 51 species; about 7695 individuals. (Seen in area count period, but not on count day: Short-eared Owl, Black-backed Three-toed Woodpecker, Northern Shrike, Snow Bunting.) —Grace Foxall, Whitney Mallam, Elmer McDougall, Paris Trail (compiler), Jayson Walker, Loren Ward.

114. Hamburg–East Aurora, N. Y. (all points within a 15-mile diameter circle, center at Casino in Chestnut Ridge Park, including Orchard Park and Emery Park as in past years).—Jan. 1; 7:30 a.m. to 5 p.m. Overcast, snow squalls; temp. 17° to 28°; wind NW, 7 m.p.h.; 12-14-in. snow on ground, all water frozen. Thirty-five observers in 14 parties. Total party-hours, 81 (21 on foot, 60 by car); total party-miles, 683 (28 on foot, 655 by car). ► Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 15; Ring-necked Pheasant, 288; Herring Gull, 52; Mourning Dove, 13; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 1; Snowy Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 81; Horned Lark, 22; Blue Jay, 296; Common Crow, 200; Black-capped Chickadee, 447; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 2; Brown Creeper, 18; Winter Wren, 2; Carolina Wren, 1; Robin, 3; Golden-crowned Kinglet, 20; Cedar Waxwing, 86; Starling, 1430; House Sparrow, 2820; Redwinged Blackbird, 3; Common Grackle, 2; Brown-headed Cowbird, 4; Cardinal, 91; Purple Finch, 1; Am. Goldfinch, 1; Slate-colored Junco, 264; Tree Sparrow, 491; Field Sparrow, **11**; White-throated Sparrow, 2; Song Sparrow, 14. **Total,** 41 species; about 6768 individuals.—Charles W. Avery, Ruth B. Avery, Anna Mae Bacon, John Bacon, M. Edna Blowers, Elma Bowen, Richard Byron, Wilma T. Csont, Dirk H. Dugan, William D. Dugan, Nancie Greenman, James H. Gregory, Fred T. Hall, Mrs. George Hartloff, Howard Hartloff, Harriette Klabunde, Walter Klabunde, Myra Knoble, Robert L. Knoble, Anthony Krayna, Harold D. Mitchell, Emma S. Nelson, Thomas Nelson, Howard J. Reuther, Lu-

cille Reuther, Olga Rosche, Richard C. Rosche (compiler). David Thompson, Lena Turner, Alice E. Ulrich, Edward C. Ulrich, Richard Volland, Gertrude G. Webster, Margaret Wendling, Marie Wendling (Buffalo Audubon Society).

115. **Jamestown, N. Y.** (all points within a 15-mile diameter circle, center at city limits on Livingston Ave. as last year).—Dec. 31; 4:30 a.m. to 5 p.m. Clear a.m., cloudy p.m.; temp. 11° to 20°; wind W, 0-8 m.p.h.; lake frozen, outlet frozen, snow on ground. Thirty-two observers in 10 parties. Total party-hours, 44 (14 on foot, 30 by car); total party-miles, 275 (25 on foot, 250 by car). ► Pied-billed Grebe, 1; Black Duck, 3; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 8; Ring-necked Pheasant, 38; Common Snipe, 3; Herring Gull, 45; Ring-billed Gull, 104; Mourning Dove, 22; Screech Owl, 1; Snowy Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Pileated Woodpecker, 3; Hairy Woodpecker, 21; Downy Woodpecker, 60; Blue Jay, 129; Common Crow, 52; Black-capped Chickadee, 230; Tufted Titmouse, 2; White-breasted Nuthatch, 77; Red-breasted Nuthatch, 1; Brown Creeper, 30; Robin, 1; Golden-crowned Kinglet, 27; Cedar Waxwing, 67; Northern Shrike, 2; Starling, 1800; Common Grackle, 2; Brown-headed Cowbird, 34; Cardinal, 56; Evening Grosbeak, 1; Purple Finch, 8; Pine Siskin, **1208**; Am. Goldfinch, 78; Rufous-sided Towhee, 1; Slate-colored Junco, 328; Tree Sparrow, 207; Field Sparrow, 1; White-throated Sparrow, 5; Song Sparrow, 13; Snow Bunting, 150. **Total,** 46 species; about 4835 individuals. (Seen in area count period, but not on count day: Canada Goose, Rough-legged Hawk, Bonaparte's Gull.)—Ronald Anderson (compiler), A. C. Babath, Nina Bates, Clarence Beal, Corl Belknap, Gustavus Bently, Craig Bohall, Lois Buck, Gilbert Burgeson, Robert Hallquist, Anabelle Hiller, Lloyd Johnson, Lewis Kibler, James Knott, William Mealy, Robert Olson, Claude Parker, Gilbert Randell, John Rappole, Kenneth Swanson.

116. **Kingston–Lake Mohonk, N. Y.** (all points within a 15-mile diameter circle, center same as last year, including Ashokan Reservoir; Kingston Point not covered this year).—Dec. 26; 6:30 a.m. to 5 p.m.; temp. 11° to 40°; no wind. Eleven observers in 6 parties. Total party-hours, 46 (36 on foot, 10 by car); total party-miles, 154 (29 on foot, 125 by car). ► Mallard, 3; Black Duck, 112; Common Merganser, 2; Goshawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Sparrow Hawk, 7; Ruffed Grouse, 14; Ring-necked Pheasant, 36; Mourning Dove, **244**; Screech Owl, 1; Great Horned Owl, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 8; Hairy Woodpecker, 28; Downy Woodpecker, 85; Horned Lark, 47; Blue Jay, 169; Common Crow, 280; Black-capped Chickadee, 178; Tufted Titmouse, 15; White-breasted Nuthatch, 66; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 7; **Catbird, 1**; Golden-crowned Kinglet, 20; Cedar Waxwing, 18; Starling, 421; Myrtle Warbler, 1; House Sparrow, 651; Eastern Meadowlark, 32; Redwinged Blackbird, 2; Rusty Blackbird, 2; Common Grackle, 1; Brown-headed Cowbird, 75; Cardinal, 115; Purple Finch, 42; Am. Goldfinch, 118; Red Crossbill, 15; Savannah Sparrow, 4; Slate-colored Junco, 293; Tree Sparrow, 391; Field Sparrow, 1; White-throated Sparrow, 11; Song Sparrow, 78. **Total,** 47 species; about 3619 individuals. (Seen in area count period, but not on count day: Snowy Owl, Robin.)—Henry F. Dunbar, Ilse K. Dunbar (compiler), Albert E. Feldman, Helmut Horn, Fred Hough, Tom Morgan, Robert Pyle, Daniel Smiley, Virginia Smiley, G. Chandler Young, Katherine Young.

117. **Manhattan, N. Y. and North Bergen, N. J.** (all points within a 15-mile diameter circle, center at 71 St. and Hudson River as last year).—Dec. 26; 5 a.m. to 5 p.m. Clear; temp. 32° to 38°; wind W, 0-3 m.p.h.; fresh water largely frozen, brackish largely open, ground with 6-16-in. snow. Eight observers in 5-6 parties. Total party-hours, 42 (36 on foot, 3 by car, 3 by boat); total party-miles, 154 (45 on foot, 90 by car, 19 by boat). ► Great Blue Heron, 1; Mallard, 102; Black Duck, 517; Pintail, 54; Green-winged Teal, 9; Am. Widgeon, 5; Shoveler, 1; Canvasback, 26; Greater Scaup, 818; Lesser Scaup, 3; Common Goldeneye, 4; White-winged Scoter, 2; Common Merganser, 25; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 5; Am. Coot, **335**; Killdeer, 1; Glaucous Gull, 1; Iceland Gull, 3; Great Black-backed Gull, 283; Herring Gull, 4750; Ring-billed Gull, 1089; **Black-headed Gull, 1**; Bonaparte's Gull, **3100**; Long-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 21; Horned Lark, 3; Blue Jay, 92; Common Crow, 14; Black-capped Chickadee, 34; Tufted Titmouse, 11; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Catbird, 1; Robin, 5; Starling, 100,000; Myrtle Warbler, 1; House Sparrow, 1035; Redwinged Blackbird, 44; Rusty Blackbird, 2; Common Grackle, 9; Brown-headed Cowbird, 7; Cardinal, 13; Am. Goldfinch, 4; Savannah Sparrow, 3; Slate-colored Junco, 42; Tree Sparrow, 31; Field Sparrow, 1; White-throated Sparrow, 51; Fox Sparrow, 7; Swamp Sparrow, 3; Song Sparrow, 68; Snow Bunting, 1. **Total,** 59 species; about 112,674 individuals.—Ned Boyajian, William Cooney, William Gordon, Richard E. Harrison, Joseph Kulich, Robert Mathews, Pauline Messing, Richard Ryan (compiler).

118. **Montezuma National Wildlife Refuge, N. Y.** (all points within a 15-mile diameter circle, center northeast corner of refuge at junction of N. Y. Barge Canal and Cayuga-Seneca Canal as in previous year; north to include Howland's Island Game Management Area, south to village of Cayuga on Cayuga Lake).—Jan. 1; 5 a.m. to 5 p.m. Snow storm, ceasing 2 p.m.; temp. 24° to 30°; wind NW, 5-10 m.p.h.; 13-in. fresh snow, coverage hampered by storm. Four observers in 3 parties. Total party-hours, 23 (13 on foot, 10 by car); total party-miles, 71 (14 on foot, 57 by car). ► Pied-billed Grebe, 1; Canada Goose, 47; Mallard, 800; Black Duck, 1030; Pintail, 3; **Shoveler, 8** (M.R.); Redhead, 1; Canvasback, 1;

Common Goldeneye, 3; Common Merganser, 31; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 3; Herring Gull, 24; Ring-billed Gull, 5; **Black-legged Kittiwake, 1** (carefully identified—E.K., J.M.); Mourning Dove, 2; Great Horned Owl, 3; Belted Kingfisher, 1; **Yellow-shafted Flicker, 2**; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 13; Blue Jay, 10; Common Crow, 300; Black-capped Chickadee, 90; White-breasted Nuthatch, 4; Brown Creeper, 6; Robin, 2; Starling, 280; House Sparrow, 180; Redwinged Blackbird, 4; Common Grackle, 2; Brown-headed Cowbird, 50; Cardinal, 14; Am. Goldfinch, 4; Slate-colored Junco, 4; Tree Sparrow, 53; Song Sparrow, 7; Snow Bunting, 12. **Total,** 42 species; about 3027 individuals. (Seen in area count period, but not on count day: Short-eared Owl.) —Enn Kotkas, John Morse (compiler), Margaret Rusk, Fritz Scheider.

119. Monticello, N. Y. (all points within a 15-mile diameter circle, center same as last year).—Dec. 31; 5:30 a.m. to 6 p.m. Clear; temp. 4° to 26°; wind WNW, 0-2 m.p.h.; 10-in. snow, a little open water in some reservoirs. Ten observers in 3 parties. Total party-hours, 28 (5 on foot, 23 by car); total party-miles, 166 (5 on foot, 161 by car). ► Black Duck, 4; Hooded Merganser, 2; Red-tailed Hawk, 1; Bald Eagle, 2; Ruffed Grouse, 20; Great Horned Owl, 6; Hairy Woodpecker, 19; Downy Woodpecker, 41; Blue Jay, 216; Common Crow, 26; Black-capped Chickadee, 277; **Tufted Titmouse, 3**; White-breasted Nuthatch, 43; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 1; Starling, 520; House Sparrow, 308; Brown-headed Cowbird, 4; Cardinal, **8**; Purple Finch, 17; Pine Siskin, 55; Am. Goldfinch, 328; Slate-colored Junco, 124; Tree Sparrow, 70; White-throated Sparrow, 1; Song Sparrow, 2. **Total,** 27 species; about 2101 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Winter Wren, Eastern Meadowlark, Evening Grosbeak, Common Redpoll, Snow Bunting.)—Pauline Chernick, Mrs. Julius Holtzman, Naomi Holtzman, Margaret McCormick, Edward McBride, Laura McBride, Edwin Morse, Kenneth D. Niven (compiler), Ralph Spaulding, Jr., Stephen Willis (Sullivan County Audubon Society).

120. Olean, N. Y. (all points within a 15-mile diameter circle, center at St. Bonaventure University). —Jan. 2; 7:30 a.m. to 4:30 p.m. Overcast, snow flurries; temp. 20° to 24°; wind W, 0-3 m.p.h.; Allegheny River frozen over except riffles, 16-20-in. snow. Twelve observers in 6 parties. Total party-hours, 37 (16 on foot, 21 by car); total party-miles, 211 (14 on foot, 197 by car). ► Hooded Merganser, 1; Red-breasted Merganser, 2; Sparrow Hawk, 7; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Mourning Dove, 15; Great Horned Owl, 1; Belted Kingfisher, 7; Pileated Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 24; Blue Jay, 123; Common Crow, 109; Black-capped Chickadee, 242; Tufted Titmouse, 7; White-breasted Nuthatch, 31; Brown Creeper, 4; Golden-crowned Kinglet, 2; Northern Shrike, 1; Starling, 319; House Sparrow, 550; Rusty Blackbird, 1; Brown-headed Cowbird, 10; Cardinal 11; Purple Finch, 6; Common Redpoll, 2; Pine Siskin, 53; Am. Goldfinch, 18; Slate-colored Junco, 278; **Oregon Junco, 2**; Tree Sparrow, 225; White-throated Sparrow, 1; Song Sparrow, 15. **Total,** 33 species; about 2076 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Herring Gull, Barred Owl, Redwinged Blackbird.)—Stephen W. Eaton (compiler), James Egan, Wilbert Johnson, David Krieg, Francis Liegey, Frederick G. Meyer, Lawrence F. Meyer, Patrick O'Connor, Eric Saylor, Mr. and Mrs. Henning B. Von Arnim, Robert J. Werrlein.

121. Oneida, N. Y. (all points within a 15-mile diameter circle, center at corner of main and Madison Sts.).—Jan. 2; 8 a.m. to 4:30 p.m.; temp. 15° to 30°; wind W, 5 m.p.h. Eight observers in 4 parties. Total party-hours, 21 (7 on foot, 14 by car); total party-miles, 210 (6 on foot, 204 by car). ► Mallard, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 7; Rough-legged Hawk, 2; Sparrow Hawk, 7; Ruffed Grouse, 5; Ring-necked Pheasant, 11; Mourning Dove, 16; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 21; **Black-backed Three-toed Woodpecker, 1**; Horned Lark, 23; Blue Jay, 78; Common Crow, 42; Black-capped Chickadee, 192; White-breasted Nuthatch, 24; Brown Creeper, 2; Robin, 2; Golden-crowned Kinglet, 2; Northern Shrike, 2; Starling, 585; House Sparrow, 984; Brown-headed Cowbird, 3; Cardinal, 30; Purple Finch, 17; Rufous-sided Towhee, 1; Tree Sparrow, 171; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 12; Snow Bunting, 370. **Total,** 35 species; about 2631 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker, Cedar Waxwing.)—Dorothy Ackley (compiler), Henry Felle, Mary Felle, Cherry Gregory, Star Gregory, Paul Jones, Paul Paquette, Margaret Rusk (Oneida Division, Onondaga Audubon Society).

122. Oneonta, N. Y. (all points within a 15-mile diameter circle, center Oneonta).—Jan. 1; 7 a.m. to 4:30 p.m. Heavy snow until 3 p.m.; temp. 22° to 29°; wind NE, 3 m.p.h. Eight observers in 3 parties, plus 3 feeding station reports. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 58 (10 on foot, 48 by car). ► Common Merganser, **4**; Marsh Hawk, 1; Sparrow Hawk, 1; Belted Kingfisher, 1; Downy Woodpecker, 5; Blue Jay, 28; Common Crow, 9; Black-capped Chickadee, 64; **Tufted Titmouse, 2**; White-breasted Nuthatch, 6; Brown Creeper, 2; Golden-crowned Kinglet, 4; Starling, 149; House Sparrow, 72; **Common Grackle, 1**; Cardinal, 3; Am. Goldfinch, 2; Slate-colored Junco, 16; Tree Sparrow, 15; **Fox Sparrow, 1**. **Total,** 20 species; about 386 individuals.—Mr. and Mrs. Robert Burland, Christopher Rounds, Stephen Rounds, Richard Starkweather, James Utter (compiler), Katherine Wilson, Irene Wright.

123. Oswego–Fulton, N. Y. (all points within a 15-mile diameter circle, center at Minetto, south and

east to Fulton, north to Oswego, west to North Hannibal; river and harbor 60%, field 5%, woods 20%, dump 5%, brush 10%).—Dec. 31; 8 a.m. to 4:30 p.m. Mostly clear, clouding later; temp. 25° to 35°; wind WSW, 5 m.p.h.; river frozen except at falls, harbor mostly open, 1½-ft. ground snow. Four observers in 1-3 parties. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 82 (7 on foot, 75 by car). ► Horned Grebe, 5; Mallard, 7; Black Duck, 399; Redhead, 2; Greater Scaup, 2565; Lesser Scaup, 15; Common Goldeneye, 125; Bufflehead, 93; Oldsquaw, 31; White-winged Scoter, 2; **Surf Scoter, 1**; **Common Scoter, 1** (both scoters carefully identified); Common Merganser, 538; Red-breasted Merganser, 64; Sharp-shinned Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Am. Coot, 5; Great Black-backed Gull, **400**; Herring Gull, 1470; Ring-billed Gull, 177; Snowy Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 22; Common Crow, 15; Black-capped Chickadee, 76; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Robin, **11**; Golden-crowned Kinglet, 4; Northern Shrike, 1; Starling, 308; House Sparrow, 101; Cardinal, 2; Am. Goldfinch, 6; Slate-colored Junco, 2; Tree Sparrow, 72. **Total,** 39 species; about 6543 individuals.—Mrs. Southgate Hoyt, Paul Kelsey, Mrs. Malcolm McIlroy, Margaret Rusk (compiler).

124. Peekskill, N. Y. (all points within a 15-mile diameter circle, center at Croton Ave. and Furnace Dock Rd., north to Westchester County line, south to Croton Point, west to Hudson River, east to Amawalk Reservoir; river 25%, lakes 37%, cattail marsh 14%, deciduous woods 10%, coniferous groves 7%, meadow 7%).—Dec. 26; 6 a.m. to 4:30 p.m. Clear; temp. 20° to 40°; wind S, 0-5 m.p.h.; ponds and small lakes frozen. Nineteen observers in 7 parties. Total party-hours, 65 (40 on foot, 25 by car); total party-miles, 255 (100 on foot, 155 by car). ► Common Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 3; Mute Swan, 6; Mallard, 112; Black Duck, 97; Redhead, 4; Lesser Scaup, 1; Common Goldeneye, 52; Bufflehead, 1; Hooded Merganser, 12; Common Merganser, 133; Red-breasted Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Bald Eagle, 1; Sparrow Hawk, 7; Ruffed Grouse, 20; Bobwhite, 1; Ring-necked Pheasant, 19; Am. Coot, 4; Glaucous Gull, 1; Iceland Gull, 2; Great Black-backed Gull, 54; Herring Gull, 4822; Ring-billed Gull, 77; Mourning Dove, 163; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 5; Saw-whet Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 11; Pileated Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 57; Downy Woodpecker, 220; Blue Jay, 704; Common Crow, 423; Fish Crow, 1; Black-capped Chickadee, 750; Tufted Titmouse, 97; White-breasted Nuthatch, 166; Brown Creeper, 25; Winter Wren, 18; Carolina Wren, 9; Long-billed Marsh Wren, 1; Catbird, 1; Brown Thrasher, 1; Robin, 25; Eastern Bluebird, **55**; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 1; Cedar Waxwing, 20; **Loggerhead Shrike, 1**; Starling, 2718; Myrtle Warbler, 11; House Sparrow, 1007; Eastern Meadowlark, 6; Redwinged Blackbird, 47; Rusty Blackbird, 4; Common Grackle, 33; Brown-headed Cowbird, 111; Cardinal, 330; Evening Grosbeak, 3; Purple Finch, 71; Am. Goldfinch, 150; Rufous-sided Towhee, 7; Savannah Sparrow, 1; Slate-colored Junco, 681; Tree Sparrow, 622; Field Sparrow, 34; White-throated Sparrow, 190; Fox Sparrow, 20; Swamp Sparrow, 35; Song Sparrow, 371; Snow Bunting, 3. **Total,** 78 species; about 14,686 individuals. (Seen in area count period, but not on count day: Ring-necked Duck, Snowy Owl, Mockingbird, Dickcissel, Pine Siskin.)—Martin Brech, Kenneth Cooper, John Given (compiler), Michael Gochfeld, Robert Gochfeld, Dexter Kelly, Mable Little, G. W. Little, Gil Miller, Ralph Odell, Margaret S. Pearl, Leslie S. Pearl, Willie Russell, T. Elizabeth Wolf, P. J. Wolf.

125. Putnam County, N. Y. (all points within a 15-mile diameter circle, center at Tompkins Corners as in previous years).—Jan. 2; 4 a.m. to 5 p.m. Fair; temp. 20° to 35°; wind NW, 5-20 m.p.h.; all but largest lakes frozen, snow cover. Nine observers in 6 parties. Total party-hours, 52 (30 on foot, 22 by car); total party-miles, 255 (40 on foot, 215 by car). ► Pied-billed Grebe, 4; Mallard, 6; Black Duck, 83; Ring-necked Duck, 22; Canvasback, 1; Common Goldeneye, 7; Bufflehead, 7; Hooded Merganser, 7; Common Merganser, 57; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 31; Bobwhite, 12; Ring-necked Pheasant, 15; **Turkey, 2** (remnants of release); Great Black-backed Gull, 4; Herring Gull, 136; Ring-billed Gull, 1; Mourning Dove, 63; Screech Owl, 1; Great Horned Owl, 6; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 5; Hairy Woodpecker, 44; Downy Woodpecker, 98; Blue Jay, 359; Common Crow, 128; Black-capped Chickadee, **687**; Tufted Titmouse, **69**; White-breasted Nuthatch, 76; Brown Creeper, 7; Winter Wren, 3; Carolina Wren, **11**; Robin, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 6; Cedar Waxwing, 2; Starling, 473; House Sparrow, 532; Eastern Meadowlark, 2; Common Grackle, 1; Brown-headed Cowbird, 4; Cardinal, **138**; Evening Grosbeak, 2; Purple Finch, 57; Am. Goldfinch, 139; Rufous-sided Towhee, 2; Slate-colored Junco, 533; Tree Sparrow, 331; Field Sparrow, 12; White-throated Sparrow, 28; Fox Sparrow, 7; Swamp Sparrow, 5; Song Sparrow, 57. **Total,** 59 species; about 4312 individuals.—Martin Brech (compiler), Kenneth Cooper, John Given, Mr. and Mrs. George W. Little, Ralph Odell, Nicholas Smith, Hope Smythe, Paul Wolf.

126. Rochester, N. Y. (all points within a 15-mile diameter circle, center Dewey Ave. and Stone Rd. as in previous years).—Dec. 26; 5 a.m. to 5 p.m. Clear until 10 a.m., drizzle after 2 p.m.; temp. 38° to 43°; wind SW, 15-20 m.p.h.; 3-5-in. snow cover, ponds frozen. Thirty-eight observers in 11 parties. Total party-hours, 76 (50 on foot, 26 by car); total party-miles, 406 (65 on foot, 341 by car). ► Common Loon, 1; Horned Grebe, **26**; Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 18; Black Duck, 142; Redhead, 1; Greater Scaup, 167; Lesser Scaup, 2; Common Goldeneye, 278; Bufflehead, **28**; Oldsquaw,

291; **Harlequin Duck, 2** (present since Dec. 17); **King Eider, 2** (W.L.); White-winged Scoter, 13; Surf Scoter, 1; Common Scoter, 1; Hooded Merganser, 1; Common Merganser, 695; Red-breasted Merganser, 40; Red-tailed Hawk, 12; Rough-legged Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 16; Ring-necked Pheasant, 176; Iceland Gull, 2; Great Black-backed Gull, 69; Herring Gull, 2620; Ring-billed Gull, **4180**; Mourning Dove, 24; Screech Owl, 8; Great Horned Owl, 2; Snowy Owl, 3; Long-eared Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 1; Hairy Woodpecker, 20; Downy Woodpecker, 65; Blue Jay, 63; Common Crow, 8598; Black-capped Chickadee, 199; Tufted Titmouse, 1; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 4; Brown Creeper, 16; Carolina Wren, 1; Mockingbird, 2; Robin, 13; Golden-crowned Kinglet, 15; Cedar Waxwing, 40; Northern Shrike, 1; Starling, 5219; Myrtle Warbler, 4; House Sparrow, 684; Redwinged Blackbird, **188**; Rusty Blackbird, 7; Common Grackle, 3; Brown-headed Cowbird, **197**; Cardinal, **100**; Pine Siskin, 55; Am. Goldfinch, **122**; Red Crossbill, 1; **Rufous-sided Towhee, 2**; Slate-colored Junco, **251**; Tree Sparrow, 709; Field Sparrow, 1; White-throated Sparrow, 3; Swamp Sparrow, 8; Song Sparrow, 54; Snow Bunting, 153. **Total,** 70 species; about 25,672 individuals. (Seen in area count period, but not on count day: Bonaparte's Gull, Brown Thrasher, White-crowned Sparrow.)—Morton Appelbaum, Helen Foster, John Foster, Reginald Hartwell, George Jones, Allen and Beatrice Kemnitzer, Allan and John Klonick, Gerhard Leubner (compiler), John Leubner, Walter Listman, Warren Lloyd, Eugene McCarthy, Robert McKinney, Joseph and Thelma McNett, Elva Meyer, Howard Miller, John Mitchell, Neil and Laura Moon, Francelia Munson, Richard O'Hara, Bernard Olin, Philip Petsos, Oscar and Hugh Schaefer, Daniel Simons, Dwight Smith, Alfred Starling, Robert Stewart, Leo Tanghe, Thomas Tetlow, Anthony Wayne, Paul Weld, Peter Zachmann, Louise Zeitler (Genesee Ornithological Society and Burroughs-Audubon Nature Club).

127. Rockland County, N. Y. (all points within a 15-mile diameter circle, center at Laurel and Brewery Roads, New City, substantially same area covered since 1947; residential 50%, fields and farmland 20%, woodland 10%, Hudson River 10%, wetlands 5%, lakes and ponds 5%).—Dec. 26; 6:30 a.m. to 4:30 p.m. Clear; temp. 23° to 40°; wind S to SE, 0-8 m.p.h.; 8-in. old snow, water mostly frozen. Forty-one observers in 11 parties. Total party-hours, 98 (40 on foot, 58 by car); total party-miles, 320 (77 on foot, 243 by car). ► Horned Grebe, 1; Mallard, 142; Black Duck, 173; Common Goldeneye, 10; Common Merganser, 81; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Bald Eagle, 2; Sparrow Hawk, **16**; Ruffed Grouse, 3; Ring-necked Pheasant, 6; Am. Coot, 2; Killdeer, 1; Great Black-backed Gull, 18; Herring Gull, 667; Ring-billed Gull, 254; gull (sp.), 400; Mourning Dove, **394** (88 at 1 feeder); Great Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 34; Downy Woodpecker, 137; Blue Jay, 469; Common Crow, 231; **Fish Crow, 3**; Black-capped Chickadee, 336; Tufted Titmouse, **226**; White-breasted Nuthatch, 112; Brown Creeper, 17; Winter Wren, 6; Carolina Wren, 12; Mockingbird, 1; Brown Thrasher, 1; Robin, 53; Eastern Bluebird, 1; Golden-crowned Kinglet, 11; Cedar Waxwing, 10; **Northern Shrike, 1**; Starling, 2605; Myrtle Warbler, 15; House Sparrow, 1287; Eastern Meadowlark, 7; Redwinged Blackbird, 22; Rusty Blackbird, 6; Common Grackle, 10; Brown-headed Cowbird, **112**; Cardinal, **341**; Purple Finch, 41; **Common Redpoll, 1**; Pine Siskin, 22; Am. Goldfinch, 142; Rufous-sided Towhee, 2; Savannah Sparrow, 5; Vesper Sparrow, 8; Slate-colored Junco, 527; Tree Sparrow, 355; Field Sparrow, **33**; White-throated Sparrow, 376; Fox Sparrow, 10; Swamp Sparrow, 15; Song Sparrow, 216. **Total,** 64 species; about 10,009 individuals. (Seen in area during count period, but not on count day: Mute Swan.)—Mr. and Mrs. Edward Backus, Eugene R. Brown, Craig Campbell, E. L. Crawford, Martha L. Deed, Robert F. Deed (compiler), Diantha Dow, Thomas Dow, Mrs. Molly Fine, David Hill, William Hill, Marjorie R. Hopper, Mr. and Mrs. William G. Irving, Marcel Jasinski, Homer S. Kelsey, Peter Kelsey, John Kenney, Mr. and Mrs. John LeMaire, Janet Lyman, Mrs. Edmund Mayer, Mrs. Adolph Meyer, Mrs. Robert Meylan, Dwight Moore, Mr. and Mrs. Eben Moore, Joseph Morlan, Wilbur Mount, Raoul Nadeau, John C. Orth, Mrs. Carl Paulson, Julian Scala, Lloyd Southworth, Mr. and Mrs. Archer Stansbury, Mr. and Mrs. Frank R. Steffens, Dr. and Mrs. Richard D. Weindling.

128. Saranac Lake, N. Y. (all points within a 15-mile diameter circle, center New York State Conservation Building at Ray Brook as in previous years).—Dec. 26; 7:30 a.m. to 4:30 p.m. Cloudy, light snow p.m.; temp. 34° to 37°; wind SW, 6-11 m.p.h.; 6-in. snow cover, some slush, parts Saranac River open. Eleven observers in 7 parties. Total party-hours, 51 (14 on foot, 18 by car, 6 by jeep, 13 at feeder); total party-miles, 189 (14 on foot, 115 by car, 60 by jeep). ► Black Duck, 2; Ruffed Grouse, 7; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 42; Common Crow, 5; Black-capped Chickadee, 84; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 5; Brown Creeper, 3; Golden-crowned Kinglet, 10; House Sparrow, 134; **Common Grackle, 1**; Evening Grosbeak, 63; Purple Finch, 6; Pine Grosbeak, 3; Pine Siskin, **633**; Am. Goldfinch, 6; Red Crossbill, **120**; White-winged Crossbill, 40; Tree Sparrow, 11; Snow Bunting, 42. **Total,** 22 species; about 1237 individuals. (Seen in area count period, but not on count day: Belted Kingfisher, Horned Lark, Northern Shrike, Starling, Brown-headed Cowbird, Slate-colored Junco.)—Elizabeth L. Anderson, Herbert V. Bergamini, Virginia W. Bergamini, Harriet L. Delafield (compiler), Ethel Dyer, William C. Frenette, Joseph Hart, Marguerite Kingsbury, James Munroe, Ruby Stevens, Bettina Warburg.

129. Schenectady, N. Y. (all points within a 15-mile diameter circle, center 0.8 mile S of 42° 45′ and

0.3 mile W of 73° 45′ as in preceding years).—Dec. 26; 7:15 a.m. to 5 p.m. Clear to partly cloudy; temp. 12° to 41°; wind S, 0-5 m.p.h.; 4-10-in. snow on ground, minimum open water. Twenty observers in 7 parties. Total party-hours, 37 (18 on foot, 19 by car); total party-miles, 193 (21 on foot, 172 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, **9**; Marsh Hawk, 3; Sparrow Hawk, 8; Ruffed Grouse, 4; Ring-necked Pheasant, 9; Common Snipe, 1; Herring Gull, 4; Mourning Dove, 42; **Short-eared Owl, 5**; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 38; Horned Lark, 79; Blue Jay, 62; Common Crow, 333; Black-capped Chickadee, 128; White-breasted Nuthatch, 39; Red-breasted Nuthatch, 1; Brown Creeper, 6; **Mockingbird, 1**; Robin, 5; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 12; Northern Shrike, 1; Starling, 993; House Sparrow, 449; Eastern Meadowlark, 31; Redwinged Blackbird, 2; Brown-headed Cowbird, 43; Cardinal, 4; Purple Finch, 3; Common Redpoll, 4; Pine Siskin, 37; Am. Goldfinch, 73; Slate-colored Junco, 63; Tree Sparrow, 184; Swamp Sparrow, 2; Song Sparrow, 6; Lapland Longspur, 1; Snow Bunting, 20. **Total,** 46 species; about 2731 individuals. (Seen in area count period, but not on count day: Tufted Titmouse.)—Brother E. Austin, Guy Bartlett, Esly Hallenbeck, Betty Hicks, Mr. and Mrs. Byron T. Hipple, Jr., Alice Holmes, Mary Johnston, Walter E. Kaskan, Mary Linch, Samuel R. Madison, Mr. and Mrs. Howard Malone, Mr. and Mrs. Louis C. Novak, Stephanie Podrazik, Minnie B. Scotland, Nelle G. Van Vorst, Mrs. Richard Waite, Robert Yunick (compiler) (Schenectady Bird Club, Inc.).

130. Staten Island, N. Y. (all points within a 15-mile diameter circle, centered to include entire island; beaches 30%, marshes 20%, garbage dump 20%, woodlands 10%, fields 10%, feeding stations 10%).—Dec. 26; 7:30 a.m. to 4:30 p.m.; temp. 21° to 40°; wind S, 7 m.p.h. Twelve observers in 6 parties. Total party-hours, 60 (48 on foot, 12 by car); total party-miles, 119 (29 on foot, 90 by car). ► Horned Grebe, 3; Double-crested Cormorant, 2; Great Blue Heron, 1; Black-crowned Night Heron, 1; Brant, 15; Mallard, 12; Black Duck, 514; Redhead, 8; Canvasback, 12; Greater Scaup, 1286; Common Goldeneye, 49; Bufflehead, 87; Oldsquaw, 15; Red-tailed Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 9; Ring-necked Pheasant, 19; Killdeer, 3; Common Snipe, 1; Purple Sandpiper, 34; Sanderling, 35; Great Black-backed Gull, 206; Herring Gull, 16,048; Ring-billed Gull, 4; Bonaparte's Gull, 172; Mourning Dove, 26; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 21; Horned Lark, 45; Blue Jay, 34; Common Crow, 257; Fish Crow, 5; Black-capped Chickadee, 21; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Brown Thrasher, 1; Robin, 4; Cedar Waxwing, 1; Starling, 5107; Myrtle Warbler, 2; House Sparrow, 187; Eastern Meadowlark, 1; Redwinged Blackbird, 119; Rusty Blackbird, 4; Common Grackle, 6; Brown-headed Cowbird, 279; Cardinal, 60; Am. Goldfinch, 10; Rufous-sided Towhee, 4; Savannah Sparrow, 6; Slate-colored Junco, 96; Tree Sparrow, 117; Field Sparrow, 7; White-throated Sparrow, 96; Fox Sparrow, 15; Swamp Sparrow, 1; Song Sparrow, 55; Snow Bunting, 2. **Total,** 59 species; about 25,140 individuals. (Seen in area count period, but not on count day: Snowy Owl.)—Howard H. Cleaves, Barbara Cook, Douglas Heilbrun, Robert Mathewson, Mrs. Robert Meyer, Charles Pearson, Noel Pettingell, Casimir Redjives, Hans Schleich, John Stonick, Mrs. Clara Taylor, Mathilde P. Weingartner (compiler).

131. Syracuse, N. Y. (all points within a 15-mile diameter circle, center Collamer as in previous years).—Dec. 26; 5 a.m. to 7 p.m. Clear; temp. 35° to 44°; wind SW, 10 m.p.h.; 8-in. snow on ground, some open water on lake. Thirty-six observers in 19 parties. Total party-hours, 109 (76 on foot, 33 by car); total party-miles, 778 (70 on foot, 708 by car). ► Horned Grebe, 1; Great Blue Heron, 1; Mallard, 172; Black Duck, 532; Pintail, 2; Canvasback, 1; Greater Scaup, 5; Common Goldeneye, 18; Bufflehead, 3; **Ruddy Duck, 2**; Hooded Merganser, 2; Common Merganser, 12; Cooper's Hawk, 6; Red-tailed Hawk, **35**; Rough-legged Hawk, **33**; Marsh Hawk, 1; Sparrow Hawk, 36; Ruffed Grouse, 6; Ring-necked Pheasant, 246; **Iceland Gull, 1** (2 competent observers); Great Black-backed Gull, 11; Herring Gull, 772; Ring-billed Gull, 648; Mourning Dove, 14; Screech Owl, 9; Great Horned Owl, 7; Snowy Owl, **8** (19+ within 30 miles); Long-eared Owl, 2; Short-eared Owl, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 30; Downy Woodpecker, 94; **Black-backed Three-toed Woodpecker, 3** (present for month); Horned Lark, 24; Blue Jay, 161; Common Crow, 524; Black-capped Chickadee, 370; White-breasted Nuthatch, 89; Red-breasted Nuthatch, 1; Brown Creeper, 16; Winter Wren, 7; **Carolina Wren, 2**; **Catbird, 1** (at feeder since Sept.); **Brown Thrasher, 1** (at feeder 2 weeks); Robin, 3; Golden-crowned Kinglet, 67; Cedar Waxwing, 106; Northern Shrike, 11; Starling, 11,-800; House Sparrow, 1780; Eastern Meadowlark, 7; Redwinged Blackbird, 7; **Rusty Blackbird, 3**; Common Grackle, 5; Brown-headed Cowbird, 6; Cardinal, 94; Purple Finch, 7; Common Redpoll, 10; Pine Siskin, 84; Am. Goldfinch, 91; Red Crossbill, 5; **Rufous-sided Towhee, 2** (at feeder for week); Slate-colored Junco, 51; **Oregon Junco, 1**; Tree Sparrow, 416; White-crowned Sparrow, 1; White-throated Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 17; Snow Bunting, 25. **Total,** 72 species; about 18,527 individuals. (Seen in area count period, but not on count day: Glaucous Gull, Evening Grosbeak.)—Mrs. D. Ackley, Mrs. K. Barclay, W. Bergstrom, Mr. and Mrs. R. Burdick, B. P. Burtt (compiler), H. E. Burtt, T. Cade, A. Carter, L. Chamberlaine, Mrs. E. Estoff, Mrs. O. Evans, L. Flanders, Mrs. S. Hoyt, P. Kaplan, R. Little, C. Morgan, Jr., W. Minor, P. Paquette, E. Patterson, D. Peakall, Mrs. R. Probst, S. Rulison, M. Rusk, R. Seaman, F. Scheider, D. Sneider, W. Spofford, L. Stegeman, R. Stegeman, Mr. and Mrs. Michael Thomas, M. Virkler, Mr. and Mrs. W. Webb, D. Whitman (Onondaga Audubon Society).

132. Troy, N. Y. (all points within a 15-mile diameter circle, center 0.1 mile S of 73° 40′ and 0.3 mile E of 42° 50′ as in preceding years).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 18° to 32°; no wind; 4-in. old snow, only fast waters open. Twenty-one observers in 6 parties. Total party-hours, 34 (16 on foot, 18 by car); total party-miles, 259 (22 on foot, 237 by car). ► Mallard, 167; Black Duck, 809; Pintail, 1; **Ring-necked Duck,** 1; Common Goldeneye, 30; Common Merganser, 26; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 7; Ruffed Grouse, 18; Ring-necked Pheasant, 48; Mourning Dove, 47; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 45; Horned Lark, 81; Blue Jay, 89; Common Crow, 506; Black-capped Chickadee, 251; Tufted Titmouse, 1; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 1; Brown Creeper, 3; **Brown Thrasher, 1** (R.Y.); Robin, 3; Golden-crowned Kinglet, 1; Northern Shrike, 2; Starling, 643; House Sparrow, 534; Eastern Meadowlark, 4; Brown-headed Cowbird, 1; Cardinal, 19; Evening Grosbeak, 79; Purple Finch, 16; Am. Goldfinch, 91; Slate-colored Junco, 84; Tree Sparrow, 288; White-throated Sparrow, 1; Song Sparrow, 22; Snow Bunting, 4. **Total,** 45 species; about 3986 individuals.—Gustave Angst, Brother E. Austin (compiler), Guy Bartlett, Mr. and Mrs. Robert W. Brown, P. H. Clark, P. A. Forni, Esly Hallenbeck, Betty Hicks, Mr. and Mrs. Byron T. Hipple, Jr., Walter E. Kaskan, Mr. and Mrs. E. J. Kilcawley, Robert Korns, Samuel R. Madison, Mr. and Mrs. Howard Malone, C. E. Parker, Walton B. Sabin, Robert Yunick (Schenectady Bird Club, Inc.).

133. Watertown, N. Y. (all points within a 15-mile diameter circle, center near Brownville as in 1959).—Dec. 26; 7 a.m. to 4 p.m. Cloudy, rain p.m.; temp. 34° to 40°; wind SW, 10-20 m.p.h.; 2-15-in. snow, streams frozen in most places. Fourteen observers in 10 parties. Total party-hours, 31 (14 on foot, 17 by car); total party-miles, 240 (15 on foot, 225 by car). ► Black Duck, 13; Greater Scaup, 60; Common Goldeneye, 2; Red-breasted Merganser, 2; Cooper's Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 5; Ring-necked Pheasant, 21; Gray Partridge, 42; Great Black-backed Gull, 2; Herring Gull, 226; Snowy Owl, 3; Hairy Woodpecker, 6; Downy Woodpecker, 12; Horned Lark, 11; Blue Jay, 16; Common Crow, 13; Black-capped Chickadee, 80; White-breasted Nuthatch, 10; Brown Creeper, 1; Robin, 18; Cedar Waxwing, 51; Starling, 321; House Sparrow, 512; Brown-headed Cowbird, 4; Cardinal, 2; Evening Grosbeak, 15; Purple Finch, 2; Slate-colored Junco, 9; Tree Sparrow, 89; Song Sparrow, 2; Snow Bunting, 24. **Total,** 33 species; about 1580 individuals. (Seen in area count period, but not on count day: Northern Shrike.)—Arthur W. Allen, John B. Belknap, Joseph Blake, Jr., Frank A. Clinch (compiler), Joseph Ellis, David Gordon, Lucille Grant, Gertrude Houghton, Marada Johnson, Ruth Mereand, Robert Nelson, Arthur W. Salisbury, Mrs. Richard Taylor, Harold T. Wiley (North Country Bird Club).

134. Watkins Glen, N. Y. (all points within a 15-mile diameter circle, center same as previous years).—Dec. 31; 7:15 a.m. to 5 p.m. Mostly sunny; temp. 21° to 34°; wind S, 0-10 m.p.h.; 1-3-in. snow in hills and woods, only lake water open. Thirteen observers in 6 parties. Total party-hours, 42 (29 on foot, 13 by car); total party-miles, 147 (35 on foot, 112 by car). ► Common Loon, 2; Horned Grebe, 27; Pied-billed Grebe, 4; Mallard, 18; Black Duck, 6; Redhead, 15; Bufflehead, 1; Common Merganser, 24; Red-breasted Merganser, 2; Red-tailed Hawk, 8; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 4; Ring-necked Pheasant, 5; Am. Coot, 4; Great Black-backed Gull, 3; Herring Gull, 185; Ring-billed Gull, 332; Mourning Dove, 1; Great Horned Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 34; Downy Woodpecker, 82; Horned Lark, 1; Blue Jay, 90; Common Crow, 144; Black-capped Chickadee, 294; White-breasted Nuthatch, 69; Brown Creeper, 7; Carolina Wren, 3; Robin, 5; Golden-crowned Kinglet, 6; Cedar Waxwing, 160; Northern Shrike, 1; Starling, 477; House Sparrow, 856; Redwinged Blackbird, 10; **Baltimore Oriole,** 1 (at feeder); Common Grackle, 5; Brown-headed Cowbird, 22; Cardinal, 45; Purple Finch, 11; Common Redpoll, 30; Pine Siskin, 90; Am. Goldfinch, 31; Slate-colored Junco, 71; Tree Sparrow, 315; **Chipping Sparrow, 5** (2 parties); Field Sparrow, 3; **Swamp Sparrow, 3** (A.K., A.F.); Song Sparrow, 8; Snow Bunting, 25. **Total,** 54 species; about 3560 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Evening Grosbeak.)—Jamesine Bardeen (compiler), Morris Bardeen, Mrs. L. J. Beardsley, Mrs. Marguerite Brown, Jack Brubaker, Albert Fudge, Arthur Kopp, Daisy Rathbun, Mrs. Annah Robinson, Frank Steber, Rick Steber, Betty J. Strath, R. Barrie Strath (Watkins-Montour Bird Club).

135. Barnegat, N. J. (all points within a 15-mile diameter circle, center near Surf City as in previous years).—Jan. 2; 5:30 a.m. to 5:30 p.m. Clear; temp. 27° to 35°; wind NNE, 5-10 m.p.h.; bay and most creeks open, marshes and inland ponds mostly frozen, ground 30% snow covered. Fourteen observers in 5 parties. Total party-hours, 57 (40 on foot, 17 by car); total party-miles, 141 (29 on foot, 112 by car). ► Common Loon, 7; Red-throated Loon, 13; Horned Grebe, 100; **Eared Grebe,** 1 (3 experienced observers); Pied-billed Grebe, 2; Great Cormorant, 4; Double-crested Cormorant, 16; Great Blue Heron, 8; **Common Egret,** 1; Mute Swan, 3; Canada Goose, 7; Brant, 22,000; **Snow Goose,** 1; Mallard, 12; Black Duck, 1138; Pintail, 5; Canvasback, 7; Greater Scaup, 10,000; Common Goldeneye, 495; Bufflehead, 364; Oldsquaw, 1453; White-winged Scoter, 828; Surf Scoter, 106; Common Scoter, 1600; Ruddy Duck, 2; Red-breasted Merganser, 54; Turkey Vulture, 3; Red-tailed Hawk, 1; Rough-legged Hawk, 17; Bald Eagle, 1; Marsh Hawk, 14; Peregrine Falcon, 1; Sparrow Hawk, 9; Ruffed Grouse, 2; Bobwhite, 3; Black-bellied Plover, 25; Ruddy Turnstone, 1; Common Snipe, 2; Knot, 1 (with Dunlin); Purple Sandpiper, 13; Dunlin, 1000; Sanderling, 256; Great Black-

backed Gull, 156; Herring Gull, 2275; Ring-billed Gull, 143; Bonaparte's Gull, 370; alcid (sp.), 1; Mourning Dove, 23; Screech Owl, 1; Snowy Owl, 1; Short-eared Owl, 15; Belted Kingfisher, 3; Yellow-shafted Flicker, 7; Hairy Woodpecker, 5; Downy Woodpecker, 24; Horned Lark, 31; Blue Jay, 65; Common Crow, 32; Carolina Chickadee, 77; Tufted Titmouse, 30; White-breasted Nuthatch, 10; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 1; Mockingbird, 13; Catbird, 2; Robin, 153; Starling, 445; Myrtle Warbler, 232; House Sparrow, 365; Eastern Meadowlark, 14; Redwinged Blackbird, 58; Rusty Blackbird, 6; Common Grackle, 1; Brown-headed Cowbird, 63; Cardinal, 132; Evening Grosbeak, 6; Purple Finch, 9; Pine Siskin, 1; Am. Goldfinch, 82; Rufous-sided Towhee, 7; Ipswich Sparrow, 2; Savannah Sparrow, 16; Seaside Sparrow, 15; Slate-colored Junco, 112; Tree Sparrow, 568; Field Sparrow, 12; White-throated Sparrow, 225; Fox Sparrow, 18; Swamp Sparrow, 11; Song Sparrow, 94; Lapland Longspur, 2; Snow Bunting, 317. **Total,** 93 species; about 45,831 individuals. (Seen in area count period, but not on count day: King Eider.)—Irving Black, Robert Frohling, Douglas Gill, Charles Hetzel, Gary Katz, Donald Kunkle (compiler), Bert Murray, Nick Niosi, William Osborn, Stanley Quickmire, William Sandford, Grier Saunders, Albert Schnitzer, Lester Walsh.

136. Boonton, N. J. (all points within a 15-mile diameter circle, center Troy Hills as last year).—Dec. 26; 5 a.m. to 5 p.m. Clear; temp. 20° to 35°; wind SW, 20 m.p.h.; 12-in. old snow, reservoir and ponds frozen. Fifteen observers in 5 parties. Total party-hours, 50 (15 on foot, 35 by car); total party-miles, 180 (20 on foot, 160 by car). ► Great Blue Heron, 4; Mute Swan, 1; Canada Goose, 7; Mallard, 300; Black Duck, 500; Gadwall, 2; Pintail, 1; **Blue-winged Teal,** 1 (J.J. party); Am. Widgeon, 50; Shoveler, 2; Ring-necked Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 10; Ring-necked Pheasant, 5; Virginia Rail, 2; Common Snipe, 3; Herring Gull, 1; Ring-billed Gull, 5; Mourning Dove, 10; Screech Owl, 10; Great Horned Owl, 5; Barred Owl, 1; Long-eared Owl, 3; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 33; Horned Lark, 86; Blue Jay, 485; Common Crow, 180; Fish Crow, 2; Black-capped Chickadee, 155; Tufted Titmouse, 110; White-breasted Nuthatch, 46; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 2; Long-billed Marsh Wren, 1; Mockingbird, 2; Brown Thrasher, 1; Robin, 4; Eastern Bluebird, 32 (1 flock); Golden-crowned Kinglet, 10; Starling, 800; House Sparrow, 270; Eastern Meadowlark, 10; Redwinged Blackbird, 19; Rusty Blackbird, 7; Common Grackle, 3; Brown-headed Cowbird, 41; Cardinal, 92; Purple Finch, 14; Am. Goldfinch, 75; Rufous-sided Towhee, 3; Savannah Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco, 160; Tree Sparrow, 335; Field Sparrow, 13; White-throated Sparrow, 160; Fox Sparrow, 2; Swamp Sparrow, 19; Song Sparrow, 280; Lapland Longspur, 2; Snow Bunting, 1. **Total,** 70 species; about 4420 individuals.—I. Black, G. Breck, R. Frohling, F. Gill, D. Gill, C. Hetzel, A. Hoiberg, J. Jehl, J. La Statione, N. Niosi, E. Standaert, W. Standaert, R. Thorsell, F. Wolfarth (compiler), J. Zabransky.

137. Bridgeton, N. J. (all points within a 15-mile diameter circle, center at Cedarville to include Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodlands 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 27; 6 a.m. to 5 p.m. Clear; temp. 34° to 48°; wind SW, 0-5 m.p.h.; heavy ice along bay, lakes frozen, snow on ground. Eleven observers in 6 parties. Total party-hours, 59 (23 on foot, 36 by car); total party-miles, 265 (37 on foot, 228 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 3; Mallard, 16; Black Duck, 483; Green-winged Teal, 36; Ring-necked Duck, 49; Common Goldeneye, 2; Bufflehead, 2; Common Merganser, 5; Turkey Vulture, 107; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 3; Marsh Hawk, 24; Peregrine Falcon, 1; Sparrow Hawk, 23; Bobwhite, 114; Ring-necked Pheasant, 2; Killdeer, 3; Common Snipe, 23; Greater Yellowlegs, 1; Dunlin, 25; Sanderling, 2; Great Black-backed Gull, 7; Herring Gull, 267; Ring-billed Gull, 63; Mourning Dove, 120; Screech Owl, 1; Great Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 15; Horned Lark, 5; Blue Jay, 103; Common Crow, 512; Fish Crow, 3; Carolina Chickadee, 55; Tufted Titmouse, 17; Brown Creeper, 4; Carolina Wren, 4; Mockingbird, 40; Brown Thrasher, 2; Robin, 171; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Loggerhead Shrike, 3; Starling, 1814; Myrtle Warbler, 5; House Sparrow, 557; Eastern Meadowlark, 64; Redwinged Blackbird, 3183; Common Grackle, 645; Brown-headed Cowbird, 246; Cardinal, 97; Am. Goldfinch, 23; Rufous-sided Towhee, 2; Savannah Sparrow, 23; Vesper Sparrow, 1; Slate-colored Junco, 264; Tree Sparrow, 86; Chipping Sparrow, 2; Field Sparrow, 77; **White-crowned Sparrow, 6**; White-throated Sparrow, 199; Fox Sparrow, 7; Swamp Sparrow, 16; Song Sparrow, 66. **Total,** 72 species; about 9738 individuals.—Mrs. Frank Cortelyou, Mrs. LeRoy Cossaboon, William Jenkins, Jr., Garry Katz, Donald Kunkle, Mrs. Leslie Myatt, J. Stanley Quickmire, Jr. (compiler), Mr. and Mrs. Kenneth Roberts, Mr. and Mrs. Paul Taylor.

138. Cape May, N. J. (all points within a 15-mile diameter circle, center at Rio Grande, Cape May County; salt marsh 15%, residential 15%, woodland 15%, beaches 5%, ocean and bay 50%).—Dec. 26; 5:30 a.m. to 4:30 p.m. Clear; temp. 25° to 40°; wind SW, 5-10 m.p.h. Fifty-one observers in 11 parties. Total party-hours, 88 (62 on foot, 22 by car, 4 by boat); total party-miles, 505 (155 on foot, 330 by car, 20 by boat). ► Common Loon, 20; Red-throated Loon, 31; Horned Grebe, 145; Pied-billed Grebe, 20; Gannet, 19; Double-crested Cormorant, 5; Great Blue

Heron, 24; Little Blue Heron, 1; Common Egret, 5; Louisiana Heron, 1; Black-crowned Night Heron, 93; Am. Bittern, 12; Whistling Swan, 1; Canada Goose, 6; Brant, 40,000; Mallard, 69; Black Duck, 5700; Pintail, 3; Green-winged Teal, 4; Am. Widgeon, 139; Shoveler, 3; Wood Duck, 4; Redhead, 4; Ring-necked Duck, 1; Canvasback, 17; Greater Scaup, 105; Lesser Scaup, 160; Common Goldeneye, 90; Bufflehead, 500; Oldsquaw, 440; Common Eider, 1; White-winged Scoter, 265; Surf Scoter, 210; Common Scoter, 400; Ruddy Duck, 46; Hooded Merganser, 9; Common Merganser, 1; Red-breasted Merganser, 51; Turkey Vulture, 120; Sharp-shinned Hawk, 7; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 9; **Broad-winged Hawk, 1** (2 experienced observers); Rough-legged Hawk, **6**; Bald Eagle, 1; Marsh Hawk, 54; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 41; Bobwhite, 57; Clapper Rail, 6; Virginia Rail, 1; Am. Coot, 100; Piping Plover, 1; Killdeer, 17; Black-bellied Plover, 73; Ruddy Turnstone, **9**; Am. Woodcock, **15**; Common Snipe, 10; Greater Yellowlegs, 1; Purple Sandpiper, 70; Least Sandpiper, 29; Dunlin, 7500; Semipalmated Sandpiper, 50; Western Sandpiper, 5; Sanderling, 600; Great Black-backed Gull, 156; Herring Gull, 10,400; Ring-billed Gull, 2300; Bonaparte's Gull, 360; Forster's Tern, 2; Mourning Dove, 300; Barn Owl, 1; Great Horned Owl, 8; Short-eared Owl, 5; Belted Kingfisher, 14; Yellow-shafted Flicker, 56; Red-bellied Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 83; Horned Lark, 223; Tree Swallow, 26; Blue Jay, 255; Common Crow, 3700; Fish Crow, 390; Carolina Chickadee, 305; Tufted Titmouse, 83; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 23; Long-billed Marsh Wren, 5; Mockingbird, 116; Catbird, 5; Brown Thrasher, 6; Robin, 889; Hermit Thrush, 3; Eastern Bluebird, 11; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Water Pipit, 225; Cedar Waxwing, 21; Starling, 10,000; Myrtle Warbler, 1050; Palm Warbler, 1; House Sparrow, 1800; Eastern Meadowlark, 170; Redwinged Blackbird, **50,000**; Rusty Blackbird, 83; **Brewer's Blackbird, 1** (H.C.); Common Grackle, **50,000**; Brown-headed Cowbird, **13,000**; Cardinal, 330; **Black-headed Grosbeak, 1** (Cadbury party); Purple Finch, 6; Am. Goldfinch, 240; Rufous-sided Towhee, 23; **Ipswich Sparrow, 8**; Savannah Sparrow, 70; Sharp-tailed Sparrow, 33; Seaside Sparrow, 4; Vesper Sparrow, 4; Slate-colored Junco, 475; Tree Sparrow, 585; Chipping Sparrow, 2; Field Sparrow, 97; White-crowned Sparrow, 1; White-throated Sparrow, 665; Fox Sparrow, 55; Swamp Sparrow, **79**; Song Sparrow, **870**; Snow Bunting, 43. **Total,** 134 species; about 207,115 individuals. (Seen in area count period, but not on count day: Bullock's Oriole.)—E. C. Archer, W. J. Bailey, Alan Brady, Harry Brown, Richard C. Burroughs, David, Joel and Joseph M. Cadbury, David Carter, E. A. Choate (compiler), David, Darryl and David A. Cutler, Herbert and Elizabeth Cutler, Russel Fowler, Robert Ford, Henry Guthrie, Mrs. E. A. Guthrie, Robert L. Haines, Joseph A. Jacobs, Richard Joos, Oscar H. Joyce, Dr. and Mrs. Jack Kimmich, Quintin Kramer, Alfred Kronschnabel, Donald Kunkle, Robert W. Leeds, M. Albert Linton, E. Wayne Marshall, Peter A. McCord, John McIlvaine, Julian Miller, John R. Moore, A. Nicholson, Ralph I. Pierce, Julian K. Potter, J. Stanley Quickmire, Charles L. Reagan, George B. Reynard, Paul W. Schwalbe, Robert Sehl, C. E. and James Stasz, Lester Thomas, Frederick A. Ulmer, Jr., Edward D. Wildman, H. D. Wildman, E. E. Wildman, Charles A. Wonderly (Delaware Valley Ornithological Club).

139. Great Swamp–Watchung Ridges, N. J. (all points within a 15-mile diameter circle, center New Providence as in previous years).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear a.m., slight clouds p.m.; temp. 18° to 40°; wind S, 2-7 m.p.h.; ground snow covered, brooks and rivers frozen. Thirty-eight observers in 5 parties, plus 25 at feeders. Total party-hours, 44 (27 on foot, 17 by car); total party-miles, 233 (27 on foot, 206 by car). ► Mute Swan, 1; Mallard, 124; Black Duck, 21; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 8; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 20; Ruffed Grouse, 7; Ring-necked Pheasant, 3; Killdeer, 1; Am. Woodcock, 1; Common Snipe, 1; Herring Gull, 98; Mourning Dove, 181; Screech Owl, 1; Long-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 8; Pileated Woodpecker, 5; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 24; Downy Woodpecker, 158; Blue Jay, **779**; Common Crow, 255; Black-capped Chickadee, 374; Tufted Titmouse, 416; White-breasted Nuthatch, 169; Brown Creeper, 3; Carolina Wren, 6; Mockingbird, **19**; Catbird, 2; Brown Thrasher, 3; Robin, 44; Hermit Thrush, 1; Eastern Bluebird, 28; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 2; Cedar Waxwing, 18; Starling, 940; Myrtle Warbler, 28; House Sparrow, 557; Eastern Meadowlark, 5; Redwinged Blackbird, 138; Rusty Blackbird, 9; Common Grackle, 29; Brown-headed Cowbird, 484; Cardinal, 246; Purple Finch, 65; **House Finch, 8** (regular at feeder); Common Redpoll, 16; Am. Goldfinch, 125; Rufous-sided Towhee, 29; Slate-colored Junco, 905; Tree Sparrow, 457; Field Sparrow, 37; **White-crowned Sparrow, 1**; White-throated Sparrow, 573; Fox Sparrow, 32; Swamp Sparrow, 7; Song Sparrow, 253. **Total,** 64 species; about 7757 individuals. (Seen in area count period, but not on count day: Pintail, Sharp-shinned Hawk, Great Horned Owl, **Western Tanager,** Pine Warbler.)—Dave Adams, Mr. and Mrs. Edwin Bemis, Mr. and Mrs. F. L. Bower, Otto Brief, William C. Brown, Maurice Chaillet, Peter Cross, Larry Demonet, Mrs. Gardner Eastman, Mrs. O. D. Grismore, Mr. and Mrs. James W. Hand, Jr., John Hayes, Charles Hoiles, Mr. and Mrs. Charles Huebner, K. Keith King, Julia Krebs, Mr. and Mrs. R. W. Krebs, Richard Lindner, Jeannette Middlebrook (compiler), Virginia Middlebrook, John T. Neal, Conrad Ogden, Hadley Roe, Mr. and Mrs. F. Rolf, Frederick Sacksteder, Mr. and Mrs. C. B. Schaughency, Mr. and Mrs. Albert Schnitzer, Lois Wenman, Mrs. J. R. Whitlock, Albert Wittenberg.

140. Hackensack–Ridgewood, N. J. (all points within a 15-mile diameter circle, center River Edge

Railroad Station, east to Hudson River, north to N. Y. State line, west to Passaic River, south to Paterson Plank Road).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 15° to 43°; wind NW, 0-6 m.p.h.; lakes frozen, 8-10-in. snow. Forty-nine observers in 16 parties. Total party-hours, 117 (69 on foot, 48 by car); total party-miles, 315 (75 on foot, 240 by car). ► Mute Swan, 3; Canada Goose, 169; Mallard, 746; Black Duck, 176; Pintail, 1; Canvasback, 160; Greater Scaup, 2; Common Goldeneye, 8; **Hooded Merganser, 9**; Common Merganser, 4; Red-tailed Hawk, 3; Marsh Hawk, 6; Sparrow Hawk, 15; Ruffed Grouse, 1; Ring-necked Pheasant, 20; Killdeer, 3; Common Snipe, 3; **Iceland Gull, 3**; Great Black-backed Gull, 36; Herring Gull, 1678; Ring-billed Gull, 106; **Laughing Gull, 1** (H.H.); Bonaparte's Gull, 200; Mourning Dove, 281; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 20; Downy Woodpecker, 111; Horned Lark, 4; Blue Jay, **605**; Common Crow, 161; Black-capped Chickadee, **246**; Tufted Titmouse, **379**; White-breasted Nuthatch, 70; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 3; Brown Thrasher, 4; Robin, 10; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 3; Cedar Waxwing, 8; Starling, 3507; Myrtle Warbler, 3; House Sparrow, 884; Eastern Meadowlark, 6; Red-winged Blackbird, 411; Common Grackle, **28**; Brown-headed Cowbird, 379; Cardinal, 187; Purple Finch, 20; Common Redpoll, 8; Pine Siskin, 1; Am. Goldfinch, **108**; Rufous-sided Towhee, 12; Savannah Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, **246**; Tree Sparrow, **224**; Field Sparrow, 35; White-throated Sparrow, **250**; Fox Sparrow, 24; Swamp Sparrow, 3; Song Sparrow, **424**. **Total,** 66 species; about 12,033 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Long-eared Owl, Pileated Woodpecker, **Black-backed Three-toed Woodpecker**.)—E. R. Abeles, Mrs. H. T. Armitt, H. T. Armitt, A. Barber, Andy Bihun, Jr., Mrs. V. Blauvelt, Mrs. H. Bomm, H. Bomm, Mrs. H. Brewer, H. Brewer, Mrs. R. N. Caldwell, R. Caldwell, Mrs. F. V. Cross, F. V. Cross, J. DeMarrais, J. C. Demarest, A. Dunham, G. C. Engel, Mrs. G. B. Fetter, H. S. Fisher, Mrs. R. H. Gaede, G. Gerdts, L. G. Gerdts, H. Hendrickson, Mrs. F. K. Hopper, F. K. Hopper, M. Kuhnen, K. Maciula, S. Maciula, Mrs. R. W. Maisch, Mrs. H. G. McEntee, Mrs. F. J. McKenna, D. Mouillesseaux, Mrs. E. Metzel, D. Pallas, Mrs. A. D. Parker, D. Preston, R. Preston, Mrs. R. J. Reville, Mrs. D. A. Roser, D. A. Roser, Mrs. P. A. Ruby, P. A. Ruby, L. Sandford, F. R. Schetty (compiler), Mrs. E. G. Smith, E. G. Smith, H. Stringer, Mrs. J. Van Saun.

141. High Point State Park, N. J. (all points within a 15-mile diameter circle, center intersection of Deckertown Pike and Crigger Road as preceding 2 years; deciduous forest 50%, evergreens 5%; scrub oak 5%, cultivated farmland 20%, uncultivated fields 20%).—Jan. 1; 6:45 a.m. to 4:30 p.m. Snow, rain, sleet; temp. 28° to 36°; wind 5-10 m.p.h.; ground snow-covered, lakes and streams except upper Delaware River frozen. Twenty-eight observers in 12 parties. Total party-hours, 69 (5 on foot, 20 by car, 44 at feeding stations); total party-miles, 167 (5 on foot, 162 by car). ► Mallard, 8; Ring-necked Duck, 2; Red-tailed Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 17; Turkey, 4; Mourning Dove, 58; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 23; Downy Woodpecker, 49; Horned Lark, 76; Blue Jay, 132; Common Crow, 192; Black-capped Chickadee, 144; Tufted Titmouse, 41; White-breasted Nuthatch, 28; Brown Creeper, 1; Mockingbird, 1; Ruby-crowned Kinglet, 1; Starling, 294; House Sparrow, 708; Eastern Meadowlark, 16; Red-winged Blackbird, 1; Rusty Blackbird, 1; Common Grackle, 3; Brown-headed Cowbird, 20; Cardinal, 50; Evening Grosbeak, 21; Purple Finch, 27; Am. Goldfinch, 20; Vesper Sparrow, 10; Slate-colored Junco, 257; Tree Sparrow, 187; Field Sparrow, 6; White-throated Sparrow, 16; Fox Sparrow, 1; Song Sparrow, 11. **Total,** 38 species; about 2434 individuals. (Seen in area count period, but not on count day: Bald Eagle, Snow Bunting.)—Ella C. Black, Roy Burgess, Elizabeth Case, Elizabeth and Louis Cherepy, Shirley and William Colby, Cynthia and Linda Craig, Benton P. Cummings, Mrs. F. S. Daniels, Louise Drew, Walter Goelitz, Mrs. Maynard Hammond, Mrs. Harold Haskins, Cora Heberer, Eleanor and George Johnson, Grace Kuser, Dryden Kuser (compiler), Mrs. William S. Little, Florence E. Lockburner, Daniel McPeek, John Ratti, Eva Rodimer, Mrs. Frank Santini, Douglas Taylor, William Trythall.

142. Lakehurst, N. J. (all points within a 15-mile diameter circle, center near Silverton; Lakewood to Lakehurst, Toms River, Silverton, Seaside Heights, Point Pleasant; pine woods 25%, ocean 15%, farmland 15%, towns 15%, bays and ponds 10%, marshes 10%, beach front 10%).—Jan. 2; 6 a.m. to 5 p.m. Fair; temp. 25° to 45°; wind W, 5-10 m.p.h. Seven observers in 3 parties. Total party-hours, 26 (16 on foot, 10 by car); total party-miles, 110 (15 on foot, 95 by car). ► Common Loon, 75; Red-throated Loon, 35; Red-necked Grebe, 1; Horned Grebe, 120; Gannet, 6; Great Cormorant, 1; Double-crested Cormorant, 4; Great Blue Heron, 2; Mute Swan, 5; Canada Goose, 15; Brant, 60; Snow Goose, 2; Mallard, 45; Black Duck, 75; Am. Widgeon, 750; Redhead, 2; Ring-necked Duck, 5; Canvasback, 17; Greater Scaup, 85; Lesser Scaup, 3; Common Goldeneye, 28; Bufflehead, 15; Oldsquaw, 12; White-winged Scoter, 8; Surf Scoter, 5; Common Scoter, 8; Ruddy Duck, 3; Hooded Merganser, 2; Common Merganser, 10; Red-breasted Merganser, 15; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 6; Bobwhite, 6; Ring-necked Pheasant, 3; Clapper Rail, 1; Am. Coot, 23; Sanderling, 35; Great Black-backed Gull, 20; Herring Gull, 438; Ring-billed Gull, 15; Laughing Gull, 2; Bonaparte's Gull, 140; Mourning Dove, 85; Screech Owl, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 5; Horned Lark, 3; Blue Jay, 115; Common Crow, 35; Black-capped Chickadee, 2; Carolina Chickadee, 18; Tufted Titmouse, 20; White-breasted Nuthatch, 8; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 9; Catbird, 2; Robin, 12; Golden-crowned Kinglet, 2; Water Pipit, 6; Cedar Waxwing, 3; Starling, 125; Myrtle Warbler, 15;

House Sparrow, 55; Eastern Meadowlark, 40; Red-winged Blackbird, 12; Rusty Blackbird, 5; Common Grackle, 12; Brown-headed Cowbird, 6; Cardinal, 35; Am. Goldfinch, 6; Red Crossbill, 3; Rufous-sided Towhee, 1; Savannah Sparrow, 3; Sharp-tailed Sparrow, 2; Seaside Sparrow, 1; Slate-colored Junco, 80; Tree Sparrow, 12; Field Sparrow, 2; White-throated Sparrow, 25; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 15. **Total,** 86 species; about 2911 individuals. (Seen in area count period, but not on count day: Belted Kingfisher.)—David Fables, Jr. (compiler), Mrs. Helen Gordon, Mrs. Amos Newbury, Carol Straus, Gary Straus, Harvey Straus, Milton Straus.

We are sorry to announce the death on February 22, 1961 of the naturalist and dedicated bird student, David Fables, Jr., in his 44th year.

143. **Long Branch, N. J.** (all points within a 15-mile diameter circle, center near Wayside; bays and ponds 25%, beach 20%, brushy fields 10%, farmland 10%, marshes 15%, woods 15%, residential 5%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 28° to 40°; wind SW, 5-7 m.p.h.; snow in spots, ponds frozen. Twenty-seven observers in 9 parties. Total party-hours, 68 (41 on foot, 22 by car, 5 by boat); total party-miles, 307 (32 on foot, 270 by car, 5 by boat). ► Common Loon, 6; Red-throated Loon, 25; Red-necked Grebe, 5; Horned Grebe, 150; Pied-billed Grebe, 6; Gannet, 9; Great Cormorant, 101; Double-crested Cormorant, 7; Great Blue Heron, 1; Black-crowned Night Heron, 2; Mute Swan, 19; Canada Goose, 28; Mallard, 462; Black Duck, 473; Gadwall, 13; Pintail, 21; Green-winged Teal, 2; Am. Widgeon, 877; Shoveler, 2; Ring-necked Duck, 24; Canvasback, 20; Greater Scaup, 116; Lesser Scaup, 64; Common Goldeneye, 36; Bufflehead, 114; Oldsquaw, 2; **Harlequin Duck, 2**; Common Eider, 2; **King Eider, 3** (F.G.); White-winged Scoter, 120; Surf Scoter, 15; Common Scoter, 30; Ruddy Duck, 261; Hooded Merganser, **11**; Common Merganser, 71; Red-breasted Merganser, 332; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Sparrow Hawk, 33; Bobwhite, **91**; Ring-necked Pheasant, **31**; Am. Coot, 59; Purple Sandpiper, **10**; Sanderling, 55; Iceland Gull, 2; Great Black-backed Gull, 229; Herring Gull, 3312; Ring-billed Gull, 406; **Black-headed Gull, 4** (now regular); Bonaparte's Gull, 961; Black-legged Kittiwake, 1; Mourning Dove, 500; Barn Owl, 2; Screech Owl, 4; Great Horned Owl, 3; **Snowy Owl, 1**; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 46; Horned Lark, 156; Blue Jay, 157; Common Crow, 190; Fish Crow, 21; Carolina Chickadee, 130; Tufted Titmouse, 72; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 4; **House Wren, 1**; Carolina Wren, 9; Long-billed Marsh Wren, 1; Mockingbird, **11**; Catbird, 6; Robin, 97; Hermit Thrush, 3; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Starling, 2090; Myrtle Warbler, 146; House Sparrow, 277; Eastern Meadowlark, 35; Red-winged Blackbird, 106; Common Grackle, 12; Brown-headed Cowbird, 523; Cardinal, **157**; Purple Finch, 1; Am. Goldfinch, 111; Rufous-sided Towhee, 6; Savannah Sparrow, 4; Vesper Sparrow, 5; Slate-colored Junco, 207; Tree Sparrow, 122; Field Sparrow, 90; White-throated Sparrow, 300; Fox Sparrow, **13**; Swamp Sparrow, 18; Song Sparrow, 202. **Total,** 102 species; about 14,507 individuals. (Seen in area count period, but not on count day: Woodcock, Glaucous Gull, Short-eared Owl, Brown Thrasher, Eastern Bluebird, Common Redpoll, Snow Bunting.)—I. H. Black, Marian Day, J. De Canio, Margaret Duncombe, D. Gill, Jr., F. Gill, A. T. Hallowell, B. Haddock, Mrs. J. Guttman, J. Jehl, Jr., C. Lincoln, J. Lovett, Mrs. J. Lovett, G. McCallum, B. Murray, N. Niosi, N. Pettingell, R. Potter, Grace Reeves, A. Schnitzer, W. F. Sandford, G. M. Seeley (compiler), R. Sell, G. Uriens, E. Wisner, V. Wisner, J. Lopat, Jr.

144. **Moorestown–Maple Shade–Riverton, N. J.** (all points within a 15-mile diameter circle, center where N. J. Turnpike goes over South Church St. in Moorestown; farmland 34%, town suburbs 30%, deciduous woods 22%, riverfront 6%, wet brushy meadows 6%, evergreen woods 2%).—Jan. 2; 6 a.m. to 11:55 p.m. Clear; temp. 16° to 36°; wind NW, 0-7 m.p.h.; crusted snow in shady places, still water frozen. Seventy-one observers in 40 parties. Total party-hours, 124 (62 on foot, 21 by car, 41 at feeders); total party-miles, 202 (46 on foot, 156 by car). ► Canada Goose, 60; Mallard, 75; Black Duck, 68; Pintail, 7; Am. Widgeon, 1; Greater Scaup, 1; scaup (sp.), 6; Common Goldeneye, 20; Common Merganser, 65; Turkey Vulture, 12; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 11; Rough-legged Hawk, 2; Marsh Hawk, 10; Peregrine Falcon, 1; Sparrow Hawk, 38; Bobwhite, 30; Ring-necked Pheasant, **173**; Killdeer, 5; Common Snipe, 1; Great Black-backed Gull, 25; Herring Gull, 284; Ring-billed Gull, 93; Mourning Dove, 691; Screech Owl, 12; Great Horned Owl, 2; Long-eared Owl, 9; **Short-eared Owl, 1**; Yellow-shafted Flicker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 75; Horned Lark, 64; Blue Jay, 169; Common Crow, 573; Fish Crow, 37; Black-capped Chickadee, 2; Carolina Chickadee, 186; Tufted Titmouse, 100; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 9; Mockingbird, **81**; Catbird, 1; Robin, 13; Eastern Bluebird, 1; Golden-crowned Kinglet, 11; Cedar Waxwing, 10; **Loggerhead Shrike, 1**; Starling, 3032; House Sparrow, 759; Eastern Meadowlark, 187; Redwinged Blackbird, 79; Rusty Blackbird, 2; Common Grackle, 12; Brown-headed Cowbird, 48; Cardinal, 172; Purple Finch, 14; House Finch, 23; Am. Goldfinch, 44; Rufous-sided Towhee, 1; Savannah Sparrow, 6; Slate-colored Junco, 540; Tree Sparrow, 154; Field Sparrow, 57; White-crowned Sparrow, 13; White-throated Sparrow, 388; Fox Sparrow, 7; Swamp Sparrow, 11; Song Sparrow, 189. **Total,** 71 species; about 8808

individuals.—S. Aldridge, G. and L. Allyn, I. Anders, M. Avery, M. Barrett, F. Binter, A. C. and A. B. Borton, B. E. and C. T. Bowers, T. Carroll, A. Christian, W. and B. Cleaver, F. Conrow, P. Davis, A. and J. Deyo, E. Dominguez, B. Drew, H. Gibson, E. Gillingham, C. Gremminger, B. Haines, R. Haines, M. Harris, S. Harty, M. Heinrichs, F. and M. Hochgesang, M. Hillinshead, P. E. Howard, Jr., F. Jordan, D. and B. Lawyer, G. LePage, E. and J. Lippincott, M. A. and M. R. Linton, E. Litchfield, J. M. and S. Little, M. Lovell, D. Mathias, D. McGaw, P. Melville, H. Moore, J. L. Moore, Jr. (compiler), D. Nelson, D. Read, C. Reagan, H. and R. Ritchie, H. Roberts, A. Rogers, P. and M. Rossell, M. Sweeny, A., K., J., J. H. and S. E. Taylor, F. Turnow, A. and E. Wallace, E. West, E. D. Wildman.

145. Morris County, N. J. (all points within a 15-mile diameter circle, center Ironia; previously called Morristown Count; wooded area 40%, open fields 40%, swamp 10%, lake area 10%).—Jan. 2; 5 a.m. to 4:30 p.m. Generally clear; temp. 25° to 35°; wind variable, 10 m.p.h.; lakes and ponds mostly frozen, deep snow cover. Twenty-two observers in 7 parties. Total party-hours, 60 (15 on foot, 45 by car); total party-miles, 350 (15 on foot, 335 by car). ► Mallard, 13; Black Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 4; Sparrow Hawk, 9; Ruffed Grouse, 14; Ring-necked Pheasant, 7; Herring Gull, 1; Mourning Dove, 161; Great Horned Owl, 3; Saw-whet Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 7; Pileated Woodpecker, 5; Hairy Woodpecker, 36; Downy Woodpecker, 113; Horned Lark, 133; Blue Jay, 744; Common Crow, 465; Black-capped Chickadee, 344; Tufted Titmouse, 193; White-breasted Nuthatch, 106; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 8; Mockingbird, **8**; Robin, 23; Hermit Thrush, 4; Eastern Bluebird, 29; Golden-crowned Kinglet, 7; Starling, 1668; Myrtle Warbler, 22; House Sparrow, 762; Eastern Meadowlark, 18; Redwinged Blackbird, 4; Rusty Blackbird, 2; Common Grackle, 5; Brown-headed Cowbird, 336; Cardinal, 240; Evening Grosbeak, 5; Purple Finch, 137; House Finch, 2; Am. Goldfinch, 202; Rufous-sided Towhee, 3; Savannah Sparrow, 2; Slate-colored Junco, 633; Tree Sparrow, 491; Field Sparrow, 106; White-throated Sparrow, 118; Fox Sparrow, 8; Song Sparrow, 84; Snow Bunting, 36. **Total,** 55 species; about 7347 individuals.—Mrs. K. Absalon, Mrs. M. Allen, Mrs. H. Appleby, Mrs. G. Cannon, Mr. and Mrs. M. Chaillet, Mrs. G. Francis, Mrs. G. Franklin, Mr. and Mrs. D. Gilmore, Mr. and Mrs. J. Hand, Mrs. G. Johnson, Mr. and Mrs. J. Neal, Mr. and Mrs. M. Purcell, Mr. B. Weig, Mr. and Mrs. M. Weig, Mrs. T. Winternitz, A. Wittenberg (compiler).

146. Mount Holly, N. J. (all points within a 15-mile diameter circle, center junction of Routes 38 and 206 near Mount Holly).—Dec. 28; 6:30 a.m. to 4:30 p.m. Clear to 3 p.m.; temp. 10° to 26°; wind NW, 0-10 m.p.h.; snow on ground, ice on ponds. Five observers in 2 parties. Total party-hours, 32 (4 on foot, 18 by car, 10 at feeders); total party-miles, 166 (12 on foot, 154 by car). ► Canada Goose, 1; Turkey Vulture, 50; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 16; Bobwhite, 8; Ring-necked Pheasant, 10; Killdeer, 2; Common Snipe, 2; Great Black-backed Gull, 6; Herring Gull, 125; Mourning Dove, 120; Long-eared Owl, 5; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 24; Common Crow, 60; Black-capped Chickadee, 25; Carolina Chickadee, 2; Tufted Titmouse, 22; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 12; Robin, 2; Golden-crowned Kinglet, 7; Starling, 700+; House Sparrow, 45; Eastern Meadowlark, 140; Rusty Blackbird, 2; Common Grackle, 10; Brown-headed Cowbird, 2; Cardinal, 10; Evening Grosbeak, 1; Am. Goldfinch, 3; Rufous-sided Towhee, 1; Slate-colored Junco, 62; Tree Sparrow, 30; White-throated Sparrow, 35; Fox Sparrow, 5; Song Sparrow, 32. **Total,** 44 species; about 1607 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Black Duck, Common Merganser, Belted Kingfisher, Horned Lark, Cooper's Hawk, Ruby-crowned Kinglet, Cedar Waxwing, Redwinged Blackbird, Field Sparrow.)—M. Middleton, J. L. Moore, Nelson Pumyea (compiler), Doris Sprow, J. Russell Sprow.

147. Northwestern Gloucester County, N. J. (all points within a 15-mile diameter circle, center same as in former years).—Jan. 2; 7 a.m. to 8 p.m. Partly cloudy to clear; temp. 26° to 55°; wind NNE, 0-7 m.p.h.; stream borders, marshes, and ponds frozen. Forty observers in 11 parties. Total party-hours, 103 (67 on foot, 36 by car); total party-miles, 435 (70 on foot, 365 by car). ► Great Blue Heron, 1; Mallard, 12; Black Duck, 637; Pintail, 33; Ruddy Duck, 55; Common Merganser, 3; Turkey Vulture, 165; Cooper's Hawk, 4; Red-tailed Hawk, 18; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 19; **Pigeon Hawk, 2** (carefully identified); Sparrow Hawk, 86; Bobwhite, **246**; Ring-necked Pheasant, 10; Killdeer, 3; Common Snipe, 1; Great Black-backed Gull, 17; Herring Gull, 349; Ring-billed Gull, 229; Mourning Dove, 425; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 1; Long-eared Owl, 4; Saw-whet Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 29; Red-bellied Woodpecker, **5**; Hairy Woodpecker, 14; Downy Woodpecker, 150; Eastern Phoebe, 1; Horned Lark, 337; Blue Jay, 194; Common Crow, 453; Fish Crow, 5; Black-capped Chickadee, 2; Carolina Chickadee, 324; Tufted Titmouse, 127; White-breasted Nuthatch, 9; Brown Creeper, **14**; Winter Wren, 4; Carolina Wren, 50; Mockingbird, **109**; Robin, 125; Golden-crowned Kinglet, 26; Water Pipit, 3; Cedar Waxwing, 4; Loggerhead Shrike, 2; Starling, **12,888**; Myrtle Warbler, 2; House Sparrow, 1138; Eastern Meadowlark, 120; Redwinged Blackbird, **5550**; Rusty Blackbird, **281**; Common Grackle, 272; Brown-headed Cowbird, **1215**; Cardinal, **304**; Am. Goldfinch, 49; Rufous-sided Towhee, **10**; Savannah Sparrow, 1; Vesper Sparrow, **30**; Slate-colored Junco, 1623; Tree Sparrow, 274; Field Sparrow, 86; White-crowned Sparrow, 28; White-throated Sparrow, 1146; Fox Sparrow, 1; Swamp Sparrow, 8; Song Sparrow,

704; Snow Bunting, **335**. **Total,** 72 species; about 30,387 individuals. (Seen in area count period, but not on count day: Canada Goose, Yellow-bellied Sapsucker, Eastern Bluebird, Ruby-crowned Kinglet, Purple Finch.)—Ed Altemus, Carl Bresler, Jo Brown, Bob Cassel, Bill Cooner, Joe Devlin, Bob Drew, Dick Ebert, Carl Eckel, Dave Eckel, Mrs. Jo Estes, Tom Etherington, Russ Fowler, Mimi Glass, Wyn Glass, George Hitchner, Bill Jenkins, Lois King, Walt Lipski, Jean Lloyd, Leroy Lloyd, Ed Manners, Thelma Middleton, Will Middleton (compiler), Frank Moody, D. Molotsky, George Myers, Fred Poole, Dorothy Poole, G. Regensburg, C. Stasz, Jim Stasz, Mark Selby, A. Sexauer, G. Spitalny, Fred Van Sant, H. Varinsky, Helen Wright (Gloucester County Nature Club and Delaware Valley Ornithological Club).

148. Northwestern Hunterdon County, N. J. (all points within a 15-mile diameter circle, center at Clinton as in previous counts).—Dec. 31; 7 a.m. to 4 p.m. Clear; temp. 23° to 40°; wind SW, 2 m.p.h.; heavy snow cover, streams and ponds frozen. Nineteen observers in 5 parties. Total party-hours, 45 (8 on foot, 37 by car); total party-miles, 239 (13 on foot, 226 by car). ► Mallard, 36; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, **46**; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 27; Ruffed Grouse, 1; Ring-necked Pheasant, 33; Mourning Dove, 181; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 13; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 109; Horned Lark, 319; Blue Jay, 391; Common Crow, 1114; Black-capped Chickadee, 134; Tufted Titmouse, 92; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 16; Catbird, 1; Brown Thrasher, 1; Robin, 7; Eastern Bluebird, 29; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Cedar Waxwing, 2; Loggerhead Shrike, 1; Starling, 1561; Myrtle Warbler, 5; House Sparrow, 1030; Eastern Meadowlark, 77; Redwinged Blackbird, 1; Brown-headed Cowbird, 16; Cardinal, 124; Purple Finch, 15; Am. Goldfinch, 41; Rufous-sided Towhee, 4; Savannah Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 470; Tree Sparrow, 163; Field Sparrow, 1; White-throated Sparrow, 98; Song Sparrow, 64. **Total,** 54 species; about 6301 individuals.—Vincent Abraitys, Henry Barlow, Walter Barbey, Mr. and Mrs. LeRoy Bellis, Mrs. Richard Chatfield, Sidney Dillon, Wayne Douglas, Howard Drinkwater (compiler), Allan Fidellow, Robert Frohling, Marion Godown, John Higgins, Sarah James, David Johnson, Horace Lindsley, James Lawrie, George Merck, Joseph Muller (Hunterdon County Bird Club).

149. Oceanville, N. J. (all points within a 15-mile diameter circle, center on Brigantine National Wildlife Refuge Headquarters; same area since 1952; ocean and bay 40%, salt marsh 10%, woodland 30%, cultivated 15%, residential 5%).—Dec. 31; 5 a.m. to 10 p.m. Clear; temp. 19° to 40°; wind variable, 0-10 m.p.h. Thirty-eight observers in 14 parties. Total party-hours, 101 (36 on foot, 63 by car, 2 by boat); total party-miles, 435 (60 on foot, 369 by car, 6 by boat). ► Common Loon, 2; Red-throated Loon, 14; Red-necked Grebe, **5**; Horned Grebe, 50; Pied-billed Grebe, 9; Great Blue Heron, 80; Little Blue Heron, 1; Black-crowned Night Heron, 19; Am. Bittern, 6; Mute Swan, 1; Canada Goose, 260; Brant, 36,600; Mallard, 260; Black Duck, 28,000; Pintail, 1530; Green-winged Teal, 30; Am. Widgeon, 6; Shoveler, 1; Canvasback, 5; Greater Scaup, 2000; Lesser Scaup, **3000**; Common Goldeneye, 670; Bufflehead, 1700; Oldsquaw, 150; White-winged Scoter, 5000; Surf Scoter, 3000; Common Scoter, 500; Ruddy Duck, 60; Hooded Merganser, 28; Red-breasted Merganser, 175; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 9; **Golden Eagle, 1** (5 careful observers); Bald Eagle, 6; Marsh Hawk, 37; Sparrow Hawk, 15; Bobwhite, 40; Clapper Rail, 1; Killdeer, 4; Black-bellied Plover, 50; Ruddy Turnstone, 5; Common Snipe, 1; Lesser Yellowlegs, 1; Purple Sandpiper, 17; Dunlin, 7000; dowitcher (sp.), 1; **Marbled Godwit, 1** (5 observers); Sanderling, 250; Great Black-backed Gull, 350; Herring Gull, 6000; Ring-billed Gull, 1200; Mourning Dove, 100; Screech Owl, 3; Great Horned Owl, 2; **Snowy Owl, 1**; Short-eared Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 33; Hairy Woodpecker, 6; Downy Woodpecker, 30; Eastern Phoebe, 1; Horned Lark, 300; Blue Jay, 60; Common Crow, 250; Fish Crow, 15; Carolina Chickadee, 150; Tufted Titmouse, 28; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 12; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 2; Mockingbird, 63; Catbird, 1; Brown Thrasher, 3; Robin, 660; Golden-crowned Kinglet, 8; Starling, 3300; Myrtle Warbler, 600; House Sparrow, 1200; Eastern Meadowlark, 100; Redwinged Blackbird, 760; Rusty Blackbird, 28; Common Grackle, 26; Brown-headed Cowbird, 100; Cardinal, 100; Purple Finch, 3; Pine Siskin, 10; Am. Goldfinch, 40; Rufous-sided Towhee, 4; Ipswich Sparrow, 7; Savannah Sparrow, 46; Sharp-tailed Sparrow, 3; Seaside Sparrow, 5; Slate-colored Junco, 400; Tree Sparrow, **490**; Field Sparrow, 16; White-throated Sparrow, 360; Fox Sparrow, 11; Swamp Sparrow, **49**; Song Sparrow, 400; **Lapland Longspur, 25**; Snow Bunting, **250**. **Total,** 107 species; about 108,237 individuals.—Thomas Barber, Alan Brady, Elizabeth Brady, Carl Bresler, Ernest Choate, Pete Davis, Joseph Devlin, Robert Haines, Claton Hardy, Stephen Harty (compiler), George Hitchner, Charlotte Jones, James Jones, Oscar Joyce, Alfred Kronschnabel, Robert Leeds, Elizabeth Lippincott, Ronald Logan, Edward Manners, Norman Mason, Frank McLenigan, John McNiell, William Middleton, Walter Morrison, Julian Potter, Mrs. J. K. Potter, George Reynard, Arthur Richards, Alice Rogers, John Sawyer, Robert Sehl, Mark Selby, August Sexauer, Joseph Sparmaker, George Spitalny, Clarence Stasz, James Stasz, John Weske (Delaware Valley Ornithological Club).

150. Princeton, N. J. (all points within a 9¼-mile diameter circle, center Graduate College; villages, estates, farms, lowland and upland deciduous woods, cedar and pine groves, swamp, marsh, lake, ponds,

streams).—Dec. 26; 7 a.m. to 5:50 p.m. Clear, partly cloudy late afternoon; temp. 10° to 39°; wind calm, light NW, calm; ground with several inches of snow, most waters frozen. Fourteen observers in 6 parties plus 1 at a food station. Total party-hours, 47 (41 on foot, 6 by car); total party-miles, 78 (38 on foot, 40 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 13; Ring-necked Pheasant, 35; **Virginia Rail,** 1 (well seen—E.B.); Killdeer, 1; Common Snipe, 2; Herring Gull, 20; Ring-billed Gull, 2; Mourning Dove, 57; Long-eared Owl, 5; Yellow-shafted Flicker, 20; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 14; Downy Woodpecker, 70; Horned Lark, 5; Blue Jay, 176; Common Crow, 137; Black-capped Chickadee, 17; Carolina Chickadee, 9; chickadee (sp.), 46; Tufted Titmouse, 72; White-breasted Nuthatch, 29; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 7; Mockingbird, **22**; Brown Thrasher, **3**; Robin, 23; Eastern Bluebird, 2; Golden-crowned Kinglet, 10; Starling, 966+; Myrtle Warbler, 58; House Sparrow, 243; Eastern Meadowlark, 17; Redwinged Blackbird, 9; Common Grackle, 3; Brown-headed Cowbird, 20; Cardinal, 80; Evening Grosbeak, 1; Purple Finch, 28; House Finch, **50** (1 flock); Am. Goldfinch, 25; Rufous-sided Towhee, 1; Savannah Sparrow, 3; Slate-colored Junco, 160; Tree Sparrow, 101; Field Sparrow, 33; White-throated Sparrow, 245; Fox Sparrow, 1; Song Sparrow, 84. **Total,** 52 species; more than 2943 individuals. (Seen in area count period, but not on count day: Pied-billed Grebe, Mallard, Belted Kingfisher, Fish Crow, Hermit Thrush, Ruby-crowned Kinglet, **Chipping Sparrow**.)—W. F. Alston, B. A. and E. D. Bloor, Jr., J. M. Burrill, C. A. Fox, S. A. Lamet, C. F. Leck, J. K. Meritt, M. A. and S. L. Olson, Charles H. Rogers (compiler), C. R. and W. S. Rogers, A. L. Shinn, M. T. Sprout.

151. **Ramsey, N. J.** (all points within a 15-mile diameter circle, center in Lake Erskine, including Wanaque Reservoir, Pompton Lake, Pines Lake, Franklin Lakes; abandoned farmland 25%, plowed land 5%, water area 10%, deciduous woodland 35%, marsh 3%, town suburb 20%, hemlock and spruce 2%).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 20° to 37°; wind NW, 2 m.p.h.; 5-12-in. snow cover, lakes frozen except part of Wanaque. Thirty-three observers in 7 parties. Total party-hours, 59 (44 on foot, 15 by car); total party-miles, 459 (43 on foot, 416 by car). ► Mute Swan, 2; Canada Goose, 28; Mallard, 435; Black Duck, 77; Ring-necked Duck, 37; Common Goldeneye, 1; Common Merganser, 14; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 6; Ruffed Grouse, 15; Ring-necked Pheasant, 1; Am. Coot, 2; Herring Gull, 34; Mourning Dove, 104; Screech Owl, 1; Barred Owl, 2; **Long-eared Owl, 5**; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 10; **Red-bellied Woodpecker,** 1; Hairy Woodpecker, 38; Downy Woodpecker, 104; Blue Jay, 551; Common Crow, 265; Black-capped Chickadee, 324; Tufted Titmouse, 296; White-breasted Nuthatch, 113; Brown Creeper, 5; Carolina Wren, 7; Robin, 3; Hermit Thrush, 2; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Starling, 1313; House Sparrow, 867; Eastern Meadowlark, 10; Redwinged Blackbird, 1; Common Grackle, 2; Brown-headed Cowbird, 7; Cardinal, 174; Evening Grosbeak, 2; Purple Finch, 31; Am. Goldfinch, 123; Slate-colored Junco, 652; Tree Sparrow, 513; Field Sparrow, 10; White-throated Sparrow, 184; Fox Sparrow, 12; Swamp Sparrow, 2; Song Sparrow, 230; **Snow Bunting,** 1. **Total,** 55 species; about 6635 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Saw-whet Owl, Common Redpoll.)—Ed Bevilacqua, Eleanor and John Dater, Greta Delaney, Roy, Betty and Kathy Dietert, Susy Estler, Hugh and Winnie Ferguson, Edwina and Gardner Griffin, Harold Hall, Bob Harsh, Ray Jones, Connie and Dave Leich, Bob Mackenzie, Elinor McEntee, Ned Mueller, Betty Phelps, Ken Prytherch (compiler), Nels Rittenhouse, Teppi and Peter Sjolander, Stan Stedman, Stiles Thomas, Peter Van Arsdale, Hank, Kay and John Walcott, Ethel and Lem Webster (Fyke Nature Association).

152. **Somerville, N. J.** (all points within a 15-mile diameter circle, center Somerville traffic circle as in previous years; 13 feeding stations).—Jan. 2; 7 a.m. to 5 p.m. Sunny till afternoon; temp. 27° to 32°; wind NW, light; up to 3-ft. icy snow, canal and ponds frozen. Twenty-five observers in 10 parties. Total party-hours, 63 (22 on foot, 41 by car); total party-miles, 413 (27 on foot, 386 by car). ► Canada Goose, 13; Mallard, 12; Black Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 36; Ring-necked Pheasant, 24; Killdeer, 2; Herring Gull, 21; Mourning Dove, 129; Barn Owl, 1; Snowy Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; **Red-bellied Woodpecker,** 1; Hairy Woodpecker, 17; Downy Woodpecker, 58; Horned Lark, 255; Blue Jay, 492; Common Crow, 491; Black-capped Chickadee, 124; Tufted Titmouse, 173; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 2; Brown Creeper, 5; Carolina Wren, 3; Mockingbird, 32; Robin, 10; Eastern Bluebird, 17; Golden-crowned Kinglet, 1; Water Pipit, 8; Starling, 1017; Myrtle Warbler, 66; House Sparrow, 462; Eastern Meadowlark, 28; Redwinged Blackbird, 1; Common Grackle, 1; Brown-headed Cowbird, 23; Cardinal, 101; Evening Grosbeak, 2; Purple Finch, 30; House Finch, **62**; Pine Siskin, 4; Am. Goldfinch, 48; Rufous-sided Towhee, 5; Savannah Sparrow, 1; Slate-colored Junco, 470; Tree Sparrow, 130; Chipping Sparrow, 4; Field Sparrow, 14; White-crowned Sparrow, 1; White-throated Sparrow, 120; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 71; Snow Bunting, 2. **Total,** 59 species; about 4682 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Ruffed Grouse, Short-eared Owl.)—John Brotherton, Virginia Fitts, Mr. and Mrs. Harold Gillespie, Kate Glassey, Mary V. Griswold (compiler), Ben Haddock, Ann Herrick, Marjorie Hayward, James Moise, Mary Pettit, Beth Pettit, Ted Pettit, Mr. and Mrs. Don Ross, Mr. and Mrs. Malcolm Schandle, Mr. and Mrs. Ernest Schmidt, Ellen Spalt, Helen Stevens, Dorothy Tarabochia, Gerard Vriens, Herbert Whitlock, Mrs. Charles Wiebusch.

153. Sussex County, N. J. (all points within a 15-mile diameter circle, center near intersection of Lafayette, Hardyston and Sparta townships as in previous years).—Dec. 26; 6 a.m. to 6 p.m. Clear; temp. 10° to 25°; wind NW, 10 m.p.h.; lakes frozen, ground snow-covered. Sixteen observers in 6 parties. Total party-hours, 57 (6 on foot, 51 by car); total party-miles, 429 (5 on foot, 424 by car). ► Mute Swan, 2; Mallard, 11; Black Duck, 24; Blue-winged Teal, 1; Red-tailed Hawk, 13; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 14; Ruffed Grouse, 5; Ring-necked Pheasant, 3; Killdeer, 5; Common Snipe, 5; Mourning Dove, 229; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 5; Pileated Woodpecker, 1; **Red-bellied Woodpecker, 1**; Red-headed Woodpecker, 2; Hairy Woodpecker, 28; Downy Woodpecker, 62; Horned Lark, 477; Blue Jay, 328; Common Crow, 269; Black-capped Chickadee, 146; Tufted Titmouse, 54; White-breasted Nuthatch, 36; Brown Creeper, 4; Carolina Wren, 3; Mockingbird, 8; Robin, 2; Ruby-crowned Kinglet, 6; Northern Shrike, 1; Loggerhead Shrike, 2; Starling, 2491; House Sparrow, 1206; Eastern Meadowlark, 115; Redwinged Blackbird, 15; Rusty Blackbird, 42; Common Grackle, 15; Brown-headed Cowbird, 120; Cardinal, 150; Purple Finch, 40; Common Redpoll, 2; Am. Goldfinch, 81; Vesper Sparrow, 1; Slate-colored Junco, 593; Tree Sparrow, 544; Field Sparrow, 1; White-throated Sparrow, 21; Fox Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 35; **McCown's Longspur, 2** (carefully studied at 50 ft.—B.C., G.J., J.R., E.R.). **Total,** 55 species; about 7236 individuals. (Seen in area count period, but not on count day: Lapland Longspur, Snow Bunting.)—Ella Black (compiler), Beth Case, Elizabeth Cherepy, Louis Cherepy, Eleanor Coes, H. V. Coes, Benton Cummings, George Johnson, Dryden Kuser, Grace Kuser, John Ratti, Richard Riker, Eva Rodimer, Eve Truex, Philip Truex, James Zamos.

154. Allentown, Pa. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 31; 8 a.m. to 4 p.m. Sunny; temp. 14° to 40°; wind SW, 0-7 m.p.h.; 6-in. crusted snow. Fourteen observers in 3 parties. Total party-hours, 24 (21 on foot, 3 by car); total party-miles, 81 (17 on foot, 64 by car). ► Horned Grebe, 1; Great Blue Heron, 1; Canada Goose, 13; Mallard, 1307; Black Duck, 63; Pintail, 14; Green-winged Teal, 1; Am. Widgeon, 113; Ruddy Duck, 1; Hooded Merganser, 1; Red-breasted Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 253; Killdeer, 5; Herring Gull, 1; Mourning Dove, **703**; Screech Owl, 2; **Snowy Owl, 1**; Long-eared Owl, 5; Yellow-shafted Flicker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 26; Horned Lark, 105; Blue Jay, 55; Common Crow, 83; Black-capped Chickadee, 9; Tufted Titmouse, 41; White-breasted Nuthatch, 12; Brown Creeper, 5; Carolina Wren, 3; Mockingbird, 10; Robin, 4; **Hermit Thrush, 1**; Golden-crowned Kinglet, 17; Cedar Waxwing, 6; Starling, 1445; House Sparrow, 755; Eastern Meadowlark, 37; Redwinged Blackbird, 1; Common Grackle, 1; Brown-headed Cowbird, 51; Cardinal, 73; Evening Grosbeak, 2; Purple Finch, 17; Am. Goldfinch, 2; Rufous-sided Towhee, 4; Savannah Sparrow, 1; Slate-colored Junco, 326; Tree Sparrow, 54; White-crowned Sparrow, 1; White-throated Sparrow, 98; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 64. **Total,** 58 species; about 5829 individuals.—Donald Burger, Natalie Burger, Ruth Farr, Clara Luckenbach, Clinton Miller, Robert Miller, Carl E. Montgomery (compiler), Miriam Schantz, Eugene Stine, John E. Trainer, Barry Transue, Leonard Wesson, Ann Witmer, B. F. Witmer (Lehigh Valley Bird Club).

155. Bangor, Pa. (all points within a 15-mile diameter circle, center Bangor).—Dec. 26; 7 a.m. to 5 p.m.; temp. 15° to 22°; wind NE, 7 m.p.h.; deep snow cover, ponds and marshes frozen. Thirteen observers in 13 parties. Total party-hours, 114; total party-miles, 49. ► Mallard, 10; Ruffed Grouse, 2; Bobwhite, 1; Ring-necked Pheasant, 39; Killdeer, 2; Mourning Dove, 22; **Snowy Owl, 1**; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 12; Blue Jay, 65; Common Crow, 76; Black-capped Chickadee, 47; Tufted Titmouse, 52; White-breasted Nuthatch, 24; Winter Wren, 2; Mockingbird, 3; Starling, 307; House Sparrow, 542; Cardinal, 58; Evening Grosbeak, 6; Purple Finch, 1; Rufous-sided Towhee, 3; Slate-colored Junco, 132; Song Sparrow, 19. **Total,** 26 species; about 1435 individuals.—Willard J. Pysher (compiler).

156. Bethlehem, Pa. (all points within a 15-mile diameter circle, center 4 miles east of Bethlehem on Applebutter Road; residential 5%, deciduous woodlands 18%, coniferous woodlands 8%, farmland 25%, creeks and rivers 44%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 18° to 40°; wind SW, 4 m.p.h.; ponds frozen, 4-in. old snow. Eleven observers in 3 parties. Total party-hours, 26 (15 on foot, 11 by car); total party-miles, 115 (15 on foot, 100 by car). ► **Common Egret, 2** (photographed at 100 ft.); Canada Goose, 22; Mallard, 325; Black Duck, 16; Green-winged Teal, 1; Wood Duck, 4; Common Merganser, 9; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 7; Sparrow Hawk, 18; Ring-necked Pheasant, 127; Am. Coot, 1; Killdeer, 2; Herring Gull, 2; Mourning Dove, 186; Long-eared Owl, **20**; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 59; Horned Lark, 81; Blue Jay, 64; Common Crow, 1035; Black-capped Chickadee, 51; Tufted Titmouse, 94; White-breasted Nuthatch, 22; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 6; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Cedar Waxwing, 4; Starling, 1149; House Sparrow, 879; Eastern Meadowlark, 17; Redwinged Blackbird, 2; Common Grackle, 3; Brown-headed Cowbird, **813**; Cardinal, 119; Purple Finch, 49; Am. Goldfinch, 15; Rufous-sided Towhee, 2; Slate-colored Junco, 301; **Oregon Junco, 1** (numerous observers); Tree Sparrow, 73; Field Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 217; Fox Sparrow, 2; Swamp Sparrow, 1;

Song Sparrow, 71. **Total,** 54 species; about 5925 individuals. (Seen in area count period, but not on count day: Screech Owl, Robin, Eastern Bluebird, Common Redpoll, Pine Siskin.)—Catherine Barlieb, Laurence Fenninger, Jr., Mary Fenninger, Michael Fenninger, Donald Heintzelman, Nancy Koehler, Ralph Mancke, Eunice Schater, James Snyder, Robert Snyder, Walter Thurber (compiler).

157. Brockway, Pa. (all points within a 15-mile diameter circle, center Brockway).—Dec. 31; 8 a.m. to 4:30 p.m. Heavy fog until 11 a.m.; temp. –4° to 28°; wind NE, 3-5 m.p.h.; deep snow. Two observers in 1 party. Total party-hours, 8½; total party-miles, 14 (2 on foot, 12 by car). ► Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 13; Common Crow, 1; Black-capped Chickadee, 8; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Starling, 70; House Sparrow, 236; Brown-headed Cowbird, 8; Cardinal, 2; Evening Grosbeak, 3; Slate-colored Junco, 46; Tree Sparrow, 26. **Total,** 14 species; about 427 individuals. —Lewis Reddinger (compiler), Charles Weiser (Allegheny Naturalists).

158. Chambersburg, Pa. (all points within a 15-mile diameter circle, center at intersection of township roads 505 and 512, 1½ miles east of Falling Spring; center moved a little north and west to include an impounding dam and lake; upland forest 35%, lakes and ponds 25%, stream edges and marshes 15%, fields 10%, brush and fencerows 15%).—Dec. 26; 8 a.m. to 5 p.m. Sunny; temp. 6° to 38°; wind 2-3 m.p.h.; 1-1½-ft. snow, lakes and ponds frozen. Seven observers in 3 parties. Total party-hours, 19 (14 on foot, 5 by car); total party-miles, 94 (8 on foot, 86 by car). ► Horned Grebe, 1; Mallard, 52; Turkey Vulture, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 45; Ring-necked Pheasant, 21; Killdeer, 3; Common Snipe, 2; Mourning Dove, 227; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 14; Horned Lark, 9; Blue Jay, 14; Common Crow, 842; Black-capped Chickadee, 33; Tufted Titmouse, 19; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 4; Mockingbird, 13; Catbird, 2; Golden-crowned Kinglet, 5; Starling, 390; House Sparrow, 814; Eastern Meadowlark, 31; Common Grackle, 1; Brown-headed Cowbird, 5; Cardinal, 52; Am. Goldfinch, 4; Rufous-sided Towhee, 1; Slate-colored Junco, 129; Tree Sparrow, 26; Field Sparrow, 5; White-crowned Sparrow, 9; White-throated Sparrow, 13; Song Sparrow, 14. **Total,** 42 species; about 2826 individuals. (Seen in area count period, but not on count day: Savannah Sparrow.)—Dorothy Beatty (compiler), Herman D. Beatty, Charles Bender, Mildred Bender, Kenneth Gabler, Carl Garner, Paul Wengert, Jr.

159. Clairton, Pa. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 31; 8 a.m. to 5:15 p.m. Hazy a.m., clear p.m.; temp. 18° to 35°; wind less than 1 m.p.h.; ground with 6-in. snow, streams and ponds frozen. Two observers in 1 party. Total party-hours, 9¼; total party-miles, 8 (all on foot). ► Sharp-shinned Hawk, 1; Ring-necked Pheasant, 11; Hairy Woodpecker, 1; Downy Woodpecker, 3; Common Crow, 1; Black-capped Chickadee, 2; Carolina Chickadee, 3; Tufted Titmouse, 2; Carolina Wren, 3; Starling, 66; House Sparrow, 17; Cardinal, 16; Am. Goldfinch, 3; Slate-colored Junco, 3; White-crowned Sparrow, 3; Song Sparrow, 3. **Total,** 16 species; about 138 individuals. —Ellis H. Shimp (compiler), Hattie P. Shimp.

160. Clarksville, Pa. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 26; 7:30 a.m. to 5:30 p.m. Some broken clouds a.m., a little rain p.m.; temp. 35° to 43°; wind W, 0-5 m.p.h.; streams mostly frozen, 1-6-in. snow on ground. Nine observers in 6 parties. Total party-hours, 25 (18 on foot, 7 by car); total party-miles, 65 (6 on foot, 59 by car). ► Mallard, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 5; Bobwhite, 2; Ring-necked Pheasant, 2; Common Snipe, 1; Mourning Dove, 6; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 32; Eastern Phoebe, 1; Horned Lark, 99; Blue Jay, 2; Common Crow, 1730; Carolina Chickadee, 39; Tufted Titmouse, 20; White-breasted Nuthatch, 8; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 12; Mockingbird, 4; Golden-crowned Kinglet, 2; Starling, 171; Myrtle Warbler, 3; House Sparrow, 174; Eastern Meadowlark, 31; Cardinal, 61; Am. Goldfinch, 2; Rufous-sided Towhee, 1; Slate-colored Junco, 151; Tree Sparrow, 116; **Chipping Sparrow, 2** (1 banded); White-crowned Sparrow, 1; White-throated Sparrow, 2; Song Sparrow, 42. **Total,** 42 species; about 2754 individuals. (Seen in area count period, but not on count day: Screech Owl, Robin, Eastern Bluebird, Ruby-crowned Kinglet, Cedar Waxwing, **Fox Sparrow**.) —David Bell, Ralph K. Bell (compiler), William Conneybeer, Terry Dayton, Ralph Horn, Mrs. Virginia Sior, John Tuckish, Ted Vesloski, Mrs. Cora Williams.

161. Dallas, Pa. (all points within a 15-mile diameter circle, center Huntsville Reservoir, including Susquehanna River from Forty Fort to West Nanticoke, also Harveys Lake, Dallas, Lehman, Jackson; farmland 25%, deciduous woodland 20%, mixed conifers and hardwood 20%, hemlock and pine 15%, lakes and river 20%).—Dec. 26; 4 a.m. to 9 p.m. Clear to partly cloudy; temp. 11° to 38°; wind SE, 8 m.p.h.; ground snow covered, lakes and streams frozen. Nine observers in 6 parties. Total party-hours, 58 (52 on foot, 6 by car); total party-miles, 86 (18 on foot, 68 by car). ► Mallard, 5; Black Duck, 74; Canvasback, 4; Common Merganser, 36; Cooper's Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 7; Mourning Dove, 11; Screech Owl, 6; Great Horned Owl, 9; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 32; Horned Lark, 102; Blue Jay, 26; Common Crow, 26; Fish Crow, 1; Black-capped Chickadee, 68; Tufted

Titmouse, 21; White-breasted Nuthatch, 10; Brown Creeper, 6; Carolina Wren, 2; Robin, 2; Golden-crowned Kinglet, 3; Starling, 65; House Sparrow, 140; Eastern Meadowlark, 4; Redwinged Blackbird, 3; **Baltimore Oriole, 1**; Brown-headed Cowbird, 1; Cardinal, 34; Evening Grosbeak, 5; Purple Finch, 32; Pine Siskin, 34; Am. Goldfinch, 44; Slate-colored Junco, 63; Tree Sparrow, 108; White-throated Sparrow, 2; Song Sparrow, 27. **Total,** 41 species; about 1028 individuals.—John Conrad, Elizabeth Davenport, George Deisher, William Evans, Frank Jackson, Edwin Johnson (compiler), Mrs. Arnott Jones, Mrs. Roger McShea, William Reid.

162. Elverson, Pa. (all points within a 15-mile diameter circle, center Marsh as previously).—Dec. 31; 5 a.m. to 5 p.m. Clear a.m., overcast p.m.; temp. 24° to 40°; wind NW, 2-8 m.p.h.; ground covered with snow, ponds frozen, streams partly open. Sixteen observers in 7 parties. Total party-hours, 63 (39 on foot, 24 by car); total party-miles, 354 (29 on foot, 325 by car). ► Mallard, 334; Black Duck, 52; Common Merganser, 5; Turkey Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 17; Ruffed Grouse, 4; Ring-necked Pheasant, 223; Killdeer, 7; Common Snipe, 9; Mourning Dove, 215; Screech Owl, 3; Great Horned Owl, 11; Long-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 11; Pileated Woodpecker, 1; Red-bellied Woodpecker, **10**; Hairy Woodpecker, 17; Downy Woodpecker, 127; **Black-backed Three-toed Woodpecker, 1** (several days, numerous observers); Horned Lark, 293; Blue Jay, 94; Common Crow, 990; Black-capped Chickadee, 50; Carolina Chickadee, 5; Tufted Titmouse, 164; White-breasted Nuthatch, 60; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 14; Mockingbird, 37; Robin, 8; Eastern Bluebird, 6; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 2; Cedar Waxwing, 4; Starling, 1585; Myrtle Warbler, 9; House Sparrow, 1141; Eastern Meadowlark, 106; Redwinged Blackbird, 21; **Baltimore Oriole, 1** (at feeder weeks); Rusty Blackbird, 12; Common Grackle, 4; Brown-headed Cowbird, 14; Cardinal, 145; Purple Finch, 21; Am. Goldfinch, 22; Rufous-sided Towhee, 3; Vesper Sparrow, 1; Slate-colored Junco, 978; Tree Sparrow, 193; Field Sparrow, 25; White-crowned Sparrow, 1; White-throated Sparrow, 264; Swamp Sparrow, 2; Song Sparrow, 195. **Total,** 61 species; about 7567 individuals. (Seen in area count period, but not on count day: **Brewer's Blackbird**, Fox Sparrow.)—Mrs. C. K. Bryan, Rodney Clingaman, James R. Cook, Robert E. Cook (compiler), John and Sarah Frankenfield, Warren R. Faust, Phyllis Hurlock, Beryl Hurlock, Mrs. Donald Kitchin, Thornton Kline, Ilse Kind Kuch, Herman F. Kuch, William Miller, Matthew Spence, Mary Trout (Elverson Bird Club and friends).

163. Glenolden, Pa. (all points within a 15-mile diameter circle, center Wallingford as in previous years, including Tinicum Wildlife Preserve; marsh 30%, deciduous woodland 25%, pine woods 10%, town suburbs 10%, water 10%, uncultivated fields 10%, farmland 5%).—Dec. 24; 2 a.m. to 4:30 p.m. Overcast; temp. 8° to 20°; wind calm; reservoir, ponds and marshes frozen, 5-10-in. snow. Ten observers in 9 parties. Total party-hours, 71 (34 on foot, 37 by car); total party-miles, 308 (40 on foot, 268 by car). ► Red-throated Loon, 1; **Red-necked Grebe, 1**; Horned Grebe, 8; Pied-billed Grebe, 4; Great Blue Heron, 6; Black-crowned Night Heron, 16; **Am. Bittern, 2** (D.C.); Canada Goose, 203; Mallard, 371; Black Duck, 2053; Pintail, 300; Green-winged Teal, 3; Redhead, 5; Ring-necked Duck, 11; Canvasback, 7; Greater Scaup, 100; Lesser Scaup, 5; Common Goldeneye, 6; Bufflehead, 14; Oldsquaw, 1; **White-winged Scoter, 1** (D.C.); Ruddy Duck, 30; Common Merganser, 30; Turkey Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 14; Peregrine Falcon, 1; Sparrow Hawk, 18; Bobwhite, 5; Ring-necked Pheasant, 59; Killdeer, 5; Greater Yellowlegs, 1; Great Black-backed Gull, 17; Herring Gull, 403; Ring-billed Gull, 110; Mourning Dove, 78; Barn Owl, 2; Screech Owl, **38**; Great Horned Owl, 7; Long-eared Owl, 1; Short-eared Owl, 10; Saw-whet Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 52; **Eastern Phoebe, 1** (A.C.); Horned Lark, 272; Blue Jay, 29; Common Crow, 210; Fish Crow, 3; Black-capped Chickadee, 7; Carolina Chickadee, 17; Tufted Titmouse, 37; White-breasted Nuthatch, 11; Brown Creeper, 7; **House Wren, 1** (R.M.); Winter Wren, 2; Carolina Wren, 13; Long-billed Marsh Wren, 1; Mockingbird, 22; Catbird, 2; Brown Thrasher, 3; Robin, 29; Hermit Thrush, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 2; Water Pipit, 30; Cedar Waxwing, 10; Starling, 1505; House Sparrow, 473; Eastern Meadowlark, 35; Redwinged Blackbird, 195; Rusty Blackbird, 17; Common Grackle, 2; Brown-headed Cowbird, 66; Cardinal, 104; Purple Finch, 50; **Common Redpoll, 1** (P.D.); Pine Siskin, 1; Am. Goldfinch, 62; Rufous-sided Towhee, 7; Savannah Sparrow, 7; Slate-colored Junco, 654; Tree Sparrow, 1803; Field Sparrow, 68; White-crowned Sparrow, 11; White-throated Sparrow, 1052; Fox Sparrow, 13; Swamp Sparrow, 67; Song Sparrow, 682; Lapland Longspur, 12; Snow Bunting, 35. **Total,** 98 species; about 11,806 individuals.—C. W. Carter, A. E. Conway, D. A. Cutler, P. W. Schwalbe, H. T. Hammel, F. Mears, R. J. Miller, C. E. Price, Jr., E. H. Rigby (compiler), P. H. DeAoun (Delaware Valley Ornithological Club).

164. Goodville, Pa. (all points within a 15-mile diameter circle, center ½ mile northwest of Goodville as in previous years).—Dec. 24; 5:30 a.m. to 4:30 p.m. Overcast, snow flurries; temp. 8° to 20°; wind NNE, 5 m.p.h.; ground snow covered, ponds frozen, streams partly open. Four observers in 4 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 108 (16 on foot, 92 by car). ► Pied-billed Grebe, 1; Mallard, 15; Black Duck, 6; Turkey Vulture, 2; Red-tailed Hawk, 6; Sparrow Hawk, 2; Ruffed Grouse, 7; Ring-necked Pheasant, 59; Killdeer, 2; Common Snipe, 8; Mourning Dove, 79; Long-eared Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker,

44; Horned Lark, 22; Blue Jay, 11; Common Crow, 158; Black-capped Chickadee, 18; Tufted Titmouse, 25; White-breasted Nuthatch, 2; Brown Creeper, 4; Mockingbird, 2; Water Pipit, 1; Starling, 575; House Sparrow, 208; Eastern Meadowlark, 7; Cardinal, 26; Purple Finch, 3; Am. Goldfinch, 7; Rufous-sided Towhee, 2; Slate-colored Junco, 329; Tree Sparrow, 177; White-throated Sparrow, 10; Song Sparrow, 50. **Total,** 36 species; about 1875 individuals. (Seen in area count period, but not on count day: Brown-headed Cowbird.)—Nevin Musser (compiler), Paul Reed, Mrs. John Rutt, Mrs. Richard Sauder.

165. Harrisburg, Pa. (all points within a 15-mile diameter circle, center in Camp Hill as in previous years; mixed woodland 45%, open fields 15%, creeks and river 25%, ponds and marshes 10%, pine woods 5%).—Dec. 26; 7 a.m. to 5 p.m. Clear to partly cloudy; temp. 8° to 33°; wind NW, 1-4 m.p.h.; 6-15-in. old snow, waters frozen. Seventeen observers in 6 parties. Total party-hours, 38 (30 on foot, 8 by car); total party-miles, 198 (21 on foot, 177 by car). ► Mallard, 142; Black Duck, 398; Pintail, 2; Am. Widgeon, 1; Ring-necked Duck, 1; Common Goldeneye, 27; Bufflehead, 2; Common Merganser, 46; Red-breasted Merganser, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 44; Ring-necked Pheasant, 73; Am. Coot, 5; Killdeer, 9; **Lesser Yellowlegs, 2**; Herring Gull, 14; Mourning Dove, 99; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 45; Horned Lark, 119; Blue Jay, 40; Common Crow, 586; Fish Crow, 2; Black-capped Chickadee, 33; Tufted Titmouse, 47; White-breasted Nuthatch, 4; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 10; Mockingbird, 35; Golden-crowned Kinglet, 2; Starling, 3196; Myrtle Warbler, 17; House Sparrow, 579; Eastern Meadowlark, 13; Redwinged Blackbird, 2; Rusty Blackbird, 8; Brown-headed Cowbird, 1; Cardinal, 150; Evening Grosbeak, 3; Am. Goldfinch, 41; Rufous-sided Towhee, 2; Slate-colored Junco, 265; Tree Sparrow, 37; Field Sparrow, 17; White-crowned Sparrow, 2; White-throated Sparrow, 117; Song Sparrow, 88. **Total,** 53 species; about 6350 individuals. (Seen in area count period, but not on count day: **Snowy Owl,** Robin.)—Mr. and Mrs. Donald Clark, David Eshelman, Mr. and Mrs. D. L. Knohr (compilers), Helen Krause, Anne Kutz, Benjamin Meyer, Gladys Peck, Thomas Rickendollar, Frances Seibert, Ralph Seiders, Joseph Snow, Natalie Snyder, Mrs. R. H. Steinmetz, Keith Ulery, Mrs. Rue Weiser.

166. Lancaster, Pa. (all points within a 15-mile diameter circle, center at southwest corner of Millersville, including middle and lower Conestoga River valley, Lancaster suburbs and parks, Lake Grubb, Susquehanna River from Columbia to Pequea; conifer plantings 5%, farmland 20%, pastures 20%, suburbs and parks 10%, streams and ponds 20%, light woodland 20%, heavy woodland 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear to cloudy to overcast; temp. 23° to 46°; wind S, 5 m.p.h.; river, ponds and some streams frozen, 4-8-in. old snow on ground. Twenty observers in 6 parties. Total party-hours, 43 (15 on foot, 28 by car); total party-miles, 184 (27 on foot, 157 by car). ► Mallard, 93; Black Duck, 923; Common Merganser, 5; Turkey Vulture, 4; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 158; Common Snipe, 1; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 87; Screech Owl, 1; **Snowy Owl, 1**; Short-eared Owl, **21**; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 38; Horned Lark, 76; Blue Jay, 35; Common Crow, 326; Fish Crow, 33; Black-capped Chickadee, 73; Tufted Titmouse, 81; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 7; Carolina Wren, 7; Mockingbird, 22; Robin, 2; Golden-crowned Kinglet, 4; Cedar Waxwing, 3; **Northern Shrike, 1**; Starling, 854; House Sparrow, 665; Eastern Meadowlark, 22; **Baltimore Oriole, 2**; Rusty Blackbird, 1; Common Grackle, 20; Brown-headed Cowbird, 92; Cardinal, 135; Purple Finch, 5; Am. Goldfinch, 18; Savannah Sparrow, 1; Slate-colored Junco, 218; Tree Sparrow, 51; Field Sparrow, 2; **White-crowned Sparrow, 5**; White-throated Sparrow, 350; Swamp Sparrow, 6; Song Sparrow, 113; Snow Bunting, 2. **Total,** 55 species; about 4592 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Barn Owl, Belted Kingfisher, Palm Warbler, Fox Sparrow.)—Henry Brown, Vernon Browne, Mrs. D. W. Clark, Carl Fasnacht, Lloyd Hassel, Marshall Hemphill, John Maddox, Russell Markert, Patty Miller, John W. Price, John W. Price, Jr., Jean Sharf, Esther Shellenberger, Richard Sheppard, Phillips Shively, Robert Stevenson, Charles Y. Tanger, Jr., William Tawzer (compiler), H. Ray Woerner, William Yeager.

167. Lewisburg, Pa. (all points within a 15-mile diameter circle, center same as last year; mixed woodland 25%, mountain woodland 15%, farmland 40%, river and creek banks 10%, cattail marsh 5%, suburbs 5%).—Dec. 29; 6 a.m. to 4:30 p.m. Snow, rain, cloudy; temp. 10° to 30°; no wind; river and streams frozen, snow on ground. Eleven observers in 4 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 64 (8 on foot, 56 by car). ► Common Loon, 3; Mallard, 5; Black Duck, 22; Common Goldeneye, 17; Common Merganser, 17; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 2; Ring-necked Pheasant, 132; Mourning Dove, 15; Screech Owl, 1; Great Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 29; Blue Jay, 14; Common Crow, 325; Fish Crow, 2; Black-capped Chickadee, 7; Tufted Titmouse, 66; White-breasted Nuthatch, 10; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 9; Mockingbird, 1; Cedar Waxwing, 3; Starling, 168; House Sparrow, 205; Eastern Meadowlark, 4; Cardinal, 43; Evening Grosbeak, 1; Am. Goldfinch, 6; Rufous-sided Towhee, 2; Slate-colored Junco, 77; Tree Sparrow, 34; White-crowned Sparrow, 1; White-throated Sparrow, 3; Song Sparrow, 4. **Total,** 40 species; about 1246 individuals. (Seen in area count period, but not on count day: **Snowy Owl**, Long-eared Owl, Horned Lark, Purple Finch.)—Mrs.

Philip Harriman, Robert Holman, Charles Jones, Channing Kury, Franklin Kury, Larry McQueen, Mrs. Edwin Pangburn, Herman Reich, Dorothy Roberts, Hollis T. Ross (compiler), Mrs. Ralph Walker (Bucknell Ornithological Club).

168. Linesville, Pa. (all points within a 15-mile diameter circle, center 2 miles southeast of Linesville, including Conneaut Lake, Hartstown Marsh, Pymatuning Reservoir including part of Ohio shore; swamp 40%, lake shore 20%, mixed woods 20%, open fields 15%, towns 5%).—Jan. 1; 8 a.m. to 4:30 p.m. Snow flurries, fog; temp. 28° to 34°; wind NW, to 10 m.p.h.; lakes and streams frozen, 14-18-in. snow. Six observers in 3 parties. Total party-hours, 26 (22 on foot, 4 by car); total party-miles, 127 (34 on foot, 93 by car). ► Canada Goose, 2000; Mallard, 520; Black Duck, 73; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 5; Ruffed Grouse, 1; Ring-necked Pheasant, 10; Mourning Dove, 5; **Barn Owl, 1**; Yellow-shafted Flicker, 9; Pileated Woodpecker, 7; Hairy Woodpecker, 7; Downy Woodpecker, 44; Blue Jay, 59; Black-capped Chickadee, 102; Tufted Titmouse, 9; White-breasted Nuthatch, 21; Brown Creeper, 6; Robin, 24; Golden-crowned Kinglet, 10; Cedar Waxwing, 265; Starling, 236; **Myrtle Warbler, 1**; House Sparrow, 211; Cardinal, 49; Pine Siskin, **450**; Am. Goldfinch, 27; **Red Crossbill, 1**; Slate-colored Junco, 66; Tree Sparrow, 188; White-throated Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, **52**; Snow Bunting, 5. **Total,** 37 species; about 4473 individuals. (Seen in area count period, but not on count day: Pintail, Common Goldeneye, Common Crow, Purple Finch.)—Sara E. Flaugh, Mary Leberman, Robert C. Leberman (compiler), James Stull, Jean Stull, Jack Wykoff (Meadville Bird and Tree Club).

169. Lititz, Pa. (all points within a 15-mile diameter circle, center Lexington, including Hammer Creek Valley, White Oak Pond; town suburb 10%, deciduous farm woodlots 30%, farm and pasture 60%).—Dec. 26; 6:30 a.m. to 5 p.m. Clear; temp. 12° to 33°; wind NW, 2-5 m.p.h.; creeks and ponds frozen, 6-10-in. crusted snow. Seven observers in 3 parties. Total party-hours, 24 (12 on foot, 12 by car); total party-miles, 60 (15 on foot, 45 by car). ► **Great Blue Heron, 1**; Canada Goose, 6; Mallard, 2500; Black Duck, 350; Pintail, 30; Green-winged Teal, 4; Turkey Vulture, 7; Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 11; Ring-necked Pheasant, 495; Killdeer, 4; **Common Snipe, 2**; Mourning Dove, 556; Barn Owl, 2; Screech Owl, 2; **Short-eared Owl, 17**; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 41; Horned Lark, 58; Blue Jay, 16; Common Crow, 3000; Black-capped Chickadee, 60; Tufted Titmouse, 28; White-breasted Nuthatch, 10; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 21; Robin, 8; Golden-crowned Kinglet, 10; Cedar Waxwing, 8; Starling, 20,000; House Sparrow, 1250; Eastern Meadowlark, 14; Redwinged Blackbird, 18; Common Grackle, 6000; Brown-headed Cowbird, 1200; Cardinal, 43; Am. Goldfinch, 48; Slate-colored Junco, 635; Tree Sparrow, 312; Field Sparrow, 6; White-crowned Sparrow, 30; White-throated Sparrow, 621; Fox Sparrow, 16; Song Sparrow, 357. **Total,** 53 species; about 37,839 individuals.—Robert Buch, William Light, Charles Regennas, Barton L. Sharp (compiler), Robert Snyder, Donald Weir, John Witmyer (Lititz Bird Club).

170. Lower Bucks County, Pa. (all points within a 15-mile diameter circle, center Fairless Junction 1 mile east of Langhorne as last year; open farmland 20%, town suburbs 5%, evergreen and deciduous woodlands 35%, brush-grown fields 35%, Penn Manor Lakes and Ironworks Reservoir 5%).—Jan. 2; 7 a.m. to 4 p.m. Clear; temp. 20° to 32°; wind W, 0-4 m.p.h.; ground 70% snow covered, ponds frozen, streams open. Fifteen observers in 5 parties. Total party-hours, 31 (14 on foot, 17 by car); total party-miles, 179 (20 on foot, 159 by car). ► Great Blue Heron, 2; Black-crowned Night Heron, 4; Mallard, 212; Black Duck, 265; Pintail, 30; Am. Widgeon, 2; Common Merganser, 50; Turkey Vulture, 2; **Goshawk, 1**; Red-tailed Hawk, 13; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 44; Ring-necked Pheasant, 44; Killdeer, 2; Great Black-backed Gull, 1; Herring Gull, 405; Ring-billed Gull, 26; Mourning Dove, 275; Barn Owl, 1; Screech Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 49; Horned Lark, 44; Blue Jay, 120; Common Crow, 781; Fish Crow, 2; Black-capped Chickadee, 78; Carolina Chickadee, 4; Tufted Titmouse, 61; White-breasted Nuthatch, 9; Brown Creeper, 1; Carolina Wren, 7; Mockingbird, **38**; Brown Thrasher, 1; Robin, 6; Eastern Bluebird, 11; Golden-crowned Kinglet, 13; Cedar Waxwing, 1; Loggerhead Shrike, 1; Starling, 2108+; Myrtle Warbler, 1; House Sparrow, 712; Eastern Meadowlark, 51; Redwinged Blackbird, 1; Brown-headed Cowbird, 79; Cardinal, 83; Purple Finch, 68; **House Finch, 3** (regular at feeder); Am. Goldfinch, 238; Rufous-sided Towhee, 3; Savannah Sparrow, 9; Slate-colored Junco, 953; Tree Sparrow, 344; Field Sparrow, 32; White-throated Sparrow, 835; Swamp Sparrow, 1; Song Sparrow, 212. **Total,** 61 species; about 8357 individuals. (Seen in area count period, but not on count day: **Brewer's Blackbird**.)—Alan Brady, Frances Clark, Howard Clark, O. H. Coles, William Henzler, Adolph Herzog (compiler), Florence Herzog, A. Kronschnabel, R. Logan, John McIlvain, Dale Miller, Robert Sehl, Russell Smith, Elizabeth Thomas, Lester Thomas (Neshaminy Valley Nature Club).

171. New Bloomfield, Pa. (all points within a 15-mile diameter circle, center New Bloomfield town square as in previous 11 years).—Jan. 1; 6 a.m. to 10 p.m. Rain and snow until 7 a.m.; temp. 30° to 40°; wind W, 10 m.p.h.; ground with 6-in. melting snow. Five observers in 2 parties. Total party-hours, 19 (5 on foot, 14 by car); total party-miles, 150 (10 on foot, 140 by car). ► Mallard, 2; Black Duck, 14; Greater Scaup, 1; Common Goldeneye, 28; Buffle-

head, 14; Common Merganser, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 9; Bobwhite, 68; Ring-necked Pheasant, 17; Killdeer, 1; Common Snipe, 2; Herring Gull, 1; Mourning Dove, 59; Screech Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 41; Horned Lark, 207; Blue Jay, 28; Common Crow, 189; Black-capped Chickadee, 1; Tufted Titmouse, 87; White-breasted Nuthatch, 9; Winter Wren, 4; Carolina Wren, 13; Mockingbird, 9 (1 singing at 10 p.m.); Golden-crowned Kinglet, 5; Northern Shrike, 1; Starling, 880; House Sparrow, 1100; Eastern Meadowlark, 9; Common Grackle, 5; Brown-headed Cowbird, 17; Cardinal, 194; Purple Finch, 1; Am. Goldfinch, 14; Slate-colored Junco, 147; Tree Sparrow, 24; Field Sparrow, 32; White-throated Sparrow, 35; Song Sparrow, 32. **Total,** 49 species; about 3329 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Robin, Eastern Bluebird, Rufous-sided Towhee.)—Frank Fry, Leroy Myers, John Soule, O. K. Stephenson (compiler), Hilda Tressler.

172. Pennsburg, Pa. (all points within a 15-mile diameter circle, center at Frederick, including entire Green Lane Reservoir; deciduous woodlands 17%, deciduous woodlands interspersed with cedar 16%, residential 2%, reservoir, creeks and river 15%, farmland 50%).—Dec. 29; 7 a.m. to 5 p.m. Snow a.m., sleet and rain p.m.; temp. 18° to 26°; no wind; reservoir and creeks frozen, 4-in. old snow, 2-in. new snow. Two observers in 1 party. Total party-hours, 10 (1 on foot, 9 by car); total party-miles, 72 (2 on foot, 70 by car). ► Mallard, 23; Common Goldeneye, 1; Common Merganser, 5; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, **171**; Herring Gull, 4; Mourning Dove, **323**; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 7; Horned Lark, 30; Blue Jay, 31; Common Crow, 18; Golden-crowned Kinglet, 1; Starling, 150; Myrtle Warbler, **8**; House Sparrow, 75; Eastern Meadowlark, 64; Brown-headed Cowbird, 3; Cardinal, 13; Purple Finch, 12; Savannah Sparrow, 1; Slate-colored Junco, 212; Tree Sparrow, 135; Field Sparrow, 3; White-throated Sparrow, 5; Song Sparrow, 18. **Total,** 31 species; about 1340 individuals.—Ralph G. Mancke, Walter A. Thurber (compiler).

173. Pittsburgh, Pa. (all points within a 15-mile diameter circle, center 1 mile northeast of Riverview Park, including Emsworth, Ben Avon, Fox Chapel, Frick Park, Glenshaw, Highland Park, Ingomar, Mt. Lebanon, Dormont, North Park, Oakhill Manor, Riverview Park, Schenley Park, Thornburg; deciduous woodland 42%, coniferous woodland 2%, brushland 22%, field 25%, lakes and reservoirs 2%, urban areas 7%).—Dec. 31; 7:20 a.m. to 6:15 p.m. Sunny; temp. 14° to 38°; wind S, 5 m.p.h.; 5-10-in. snow on ground. Twenty-eight observers in 12 parties. Total party-hours, 80 (72 on foot, 8 by car); total party-miles, 162 (69 on foot, 93 by car). ► Canada Goose, 1; Mallard, 252; Black Duck, 7; Common Goldeneye, 191; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 6; Ring-necked Pheasant, 56; Turkey, **40**; Mourning Dove, 18; Screech Owl, 3; Great Horned Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 21; Downy Woodpecker, 96; Horned Lark, **97**; Blue Jay, 55; **Black-billed Magpie, 6** (now breeding locally); Common Crow, 62; Black-capped Chickadee, 136; Tufted Titmouse, 226; White-breasted Nuthatch, 75; Brown Creeper, 8; Winter Wren, 7; Carolina Wren, 6; **Mockingbird,** 1; Robin, 4; Golden-crowned Kinglet, 24; Cedar Waxwing, 20; Starling, 820; House Sparrow, 679; Cardinal, 319; **Purple Finch, 18**; Am. Goldfinch, 32; Slate-colored Junco, 409; Tree Sparrow, 72; Field Sparrow, 11; White-throated Sparrow, 15; Song Sparrow, 87; **Lapland Longspur, 12** (N.L., C.S.). **Total,** 43 species; about 3904 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Yellow-shafted Flicker, **Catbird**.)—Helen Blair, Dick Bollinger, Mrs. Charles Brand, Jasper Brown, Mrs. T. V. Buckwalter, Melanie Campbell, William Cress, Gerald Felmlee, Beulah Frey, Joseph Grom, Charles Hammerschmitt, Walter Hammond, David Hart, Leroy Hofmann, Ned Lyke, C. J. Mansmann, Elizabeth McClelland, Grace McClelland, Keith McClelland, Charles McMurtry, David Miller, Elizabeth Miller, Dan Pfoutz, Mr. and Mrs. Charles Sior, Bernard Van Cleve (compiler), Harriet Westhoff, Bill Wilcox.

174. Presque Isle State Park, Pa. (all points within a 15-mile diameter circle; park of 3200 acres with 8 miles of sandy beach; ponds and swamps 40%, deciduous woods 30%, dunes 25%, fields 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear a.m., rain p.m.; temp. 33° to 42°; wind S to SW, 18-28 m.p.h.; Lake Erie free of ice, ponds and bay frozen, 5-10-in. snow. Thirteen observers in 3 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 54 (32 on foot, 22 by car). ► Horned Grebe, 2; Pied-billed Grebe, 2; Great Blue Heron, 1; Am. Bittern, 1; Whistling Swan, 3; Mallard, 3; Black Duck, 72; Greater Scaup, 11; Lesser Scaup, 490; Common Goldeneye, 31; Bufflehead, 2; Common Merganser, 805; Red-breasted Merganser, 27; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Am. Coot, 250; Great Black-backed Gull, 156; Herring Gull, 220; Ring-billed Gull, 1080; Bonaparte's Gull, 1; Great Horned Owl, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 29; Blue Jay, 4; Common Crow, 38; Black-capped Chickadee, 15; White-breasted Nuthatch, 6; Brown Creeper, 5; Robin, 1; Golden-crowned Kinglet, 15; Cedar Waxwing, 35; Starling, 43; Myrtle Warbler, 70; House Sparrow, 23; Cardinal, 15; Purple Finch, 2; Pine Siskin, 1; Am. Goldfinch, 4; Slate-colored Junco, 35; Tree Sparrow, 137; Swamp Sparrow, 3; Song Sparrow, 12; Snow Bunting, 46. **Total,** 47 species; about 3720 individuals.—Anne E. Brown, Sara Flaugh, Mary Marshall Foulke, D. W. Foulke, Robert Leberman, Ronald Leberman, Oakie Mullein, James G. Stull (compiler),

Jean Stull, Burke Taft, Margaret Taft, Richard Williams, Jack Wykoff.

175. Reading, Pa. (all points within a 15-mile diameter circle, center 2 miles NE of city as last year). —Dec. 26; 1 a.m. to 9 p.m. Clear; temp. 12° to 38°; wind SE, 5-20 m.p.h.; 3-in. snow on ground, running streams open, still water frozen. Twenty-five observers in 7 parties. Total party-hours, 79 (40 on foot, 33 by car, 6 at feeder); total party-miles, 190 (41 on foot, 149 by car). ► **Common Loon, 1**; Horned Grebe, 1; Pied-billed Grebe, 2; Great Blue Heron, 4; Canada Goose, 8; Mallard, 343; Black Duck, 611; Pintail, 11; Green-winged Teal, 8; Am. Widgeon, 8; Greater Scaup, 1; Ruddy Duck, 1; Hooded Merganser, 4; Common Merganser, 32; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 1; **Pigeon Hawk, 1**; Sparrow Hawk, 13; Ring-necked Pheasant, **382**; Am. Coot, 5; Killdeer, 10; Herring Gull, 14; Mourning Dove, 200; Great Horned Owl, **17**; **Short-eared Owl, 1**; Belted Kingfisher, 4; Yellow-shafted Flicker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 90; Horned Lark, 20; Blue Jay, 74; Common Crow, **11,553**; Fish Crow, 3; Black-capped Chickadee, 62; Tufted Titmouse, 144; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 37; Robin, 25; Golden-crowned Kinglet, 37; Ruby-crowned Kinglet, 2; Starling, 1873; Myrtle Warbler, 5; House Sparrow, 1295; Eastern Meadowlark, 63; Redwinged Blackbird, 1; **Rusty Blackbird, 1**; Common Grackle, 20; Brown-headed Cowbird, 18; Cardinal, 163; Purple Finch, 28; Pine Siskin, 23; Am. Goldfinch, 59; Rufous-sided Towhee, 2; Slate-colored Junco, 683; Tree Sparrow, 116; White-crowned Sparrow, 6; White-throated Sparrow, 260; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 96. **Total,** 67 species; about 18,529 individuals. (Seen in area count period, but not on count day: Bobwhite, Common Snipe, Ring-billed Gull, Catbird, Hermit Thrush.)—Harold Ash, Roy Boyer, Robert Cook, Luther Epler, Warren Faust, Catherine Feick, Emma Gage, Samuel Gundy, Mollie Impink, Warren Kalbach, Anna Leinbach, David Levan, Joseph Malek, Paul Martin, William Miller, Earl Poole, Herbert Reinsel, Thomas Reinsel, Charles Schaich, Barton Smith, Elizabeth Smith, Matthew Spence (compiler), Peggy Spence, Jane Vandevort, Mary York (Baird Ornithological Club and friends).

176. Scranton, Pa. (all points within a 15-mile diameter circle, center Clarks Summit State Hospital as in previous years).—Jan. 2; 8 a.m. to 5 p.m. Overcast to clear; temp. 23° to 30°; wind NW, 0-5 m.p.h.; ponds frozen, 4-12-in. snow cover. Twenty observers in 5 parties. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 88 (18 on foot, 70 by car). ► Mallard, 4; Black Duck, 150; Common Merganser, 10; Sharp-shinned Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 5; Mourning Dove, 7; Pileated Woodpecker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 48; Horned Lark, 105; Blue Jay, 90; Common Crow, 383; Black-capped Chickadee, 118; Tufted Titmouse, 19; White-breasted Nuthatch, 46; Brown Creeper, 3; Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 9; Starling, 296; House Sparrow, 349; Brown-headed Cowbird, 2; Cardinal, 74; Purple Finch, 45; Common Redpoll, 3; Pine Siskin, 8; Am. Goldfinch, 34; Slate-colored Junco, 183; Tree Sparrow, 127; Field Sparrow, 3; White-crowned Sparrow, 3; White-throated Sparrow, 1; Song Sparrow, 9; Lapland Longspur, **30**; Snow Bunting, 300. **Total,** 38 species; about 2490 individuals. (Seen in area count period, but not on count day: Mockingbird.)—Mrs. Bernard Bergman, James Biggar, Mrs. F. H. Coffin, Elizabeth Crellin, Cornelia Davis, Mr. and Mrs. S. A. Davis, Mrs. R. B. Harris, Mrs. H. R. Jones, Harold R. Jones (compiler), Leslie Lamphear, Mrs. R. M. Osmun, David Perry, A. L. Rogers, Alfred Ryan, W. E. Speare, William Speare, Jr., Mrs. John Thomas, Ed Williams, Emerson Wilson (Scranton Bird Club).

177. Southeastern Bradford Co., Pa. (all points within a 15-mile diameter circle, center 3.6 miles north of Wyalusing on Route 6 as last year).—Jan. 2; 5:20 a.m. to 5:50 p.m. Cloudy; temp. 15° to 35°; wind NW, 4-20 m.p.h.; 8-20-in. snow on ground, Susquehanna River mostly frozen. Two observers in 1 party. Total party-hours, 12½ (6½ on foot, 6 by car); total party-miles, 76 (10 on foot, 66 by car). ► Mallard, **144**; Black Duck, 232; Green-winged Teal, 1; Lesser Scaup, 1; Common Merganser, **19** (previous low 35); Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Herring Gull, 4; Screech Owl, 6; Great Horned Owl, 12; Short-eared Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 5; Blue Jay, 11; Common Crow, 80; Black-capped Chickadee, 30; Tufted Titmouse, 12; White-breasted Nuthatch, 21; Brown Creeper, 2; Carolina Wren, 1; Robin, 1; Golden-crowned Kinglet, 10; Starling, 101; House Sparrow, 30; Eastern Meadowlark, 9; Redwinged Blackbird, 7; **Rusty Blackbird, 1**; Cardinal, 15; Purple Finch, 4; Pine Siskin, 6; Am. Goldfinch, 56; Slate-colored Junco, 32; **Oregon Junco, 1** (carefully identified); Tree Sparrow, 84; White-throated Sparrow, 1; Song Sparrow, 10; Snow Bunting, **40**. **Total,** 42 species; about 1014 individuals. —Edwin Johnson, William Reid (compiler).

178. State College, Pa. (all points within a 15-mile diameter circle, center at Pine Hall 2 miles west of State College, including Pine Grove Mills, Pennsylvania Furnace, Scotia, Buffalo Run, the Rock; town and campus 33%, swamps, ponds, streams 23%, fields, fencerows 27%, mixed woodlands 17%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy; temp. 29° to 35°; wind W, 8-12 m.p.h.; 6-in. snow on ground, some streams open. Sixteen observers in 8 parties. Total party-hours, 30 (19 on foot, 8 by car, 3 at feeders); total party-miles, 152 (25 on foot, 127 by car). ► Great Blue Heron, 1; Mallard, 52; Black Duck, 4; Canvasback, 2; Common Goldeneye, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Sparrow Hawk, 6; Bobwhite, 8; Ring-necked Pheasant, 17; Killdeer, 13; Common Snipe, 6; Mourning Dove, 45; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-headed Woodpecker, 12; Hairy Wood-

pecker, 1; Downy Woodpecker, 16; Horned Lark, 71; Blue Jay, 11; Common Crow, 381; Black-capped Chickadee, 25; Tufted Titmouse, 52; White-breasted Nuthatch, 17; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Starling, 372; House Sparrow, 701; Eastern Meadowlark, 10; Rusty Blackbird, 5; **Brewer's Blackbird, 1** (well seen at feeder); Common Grackle, 2; Brown-headed Cowbird, 2; Cardinal, 58; Purple Finch, 5; Am. Goldfinch, 27; Slate-colored Junco, 162; Tree Sparrow, 196; Field Sparrow, 1; White-throated Sparrow, 6; Song Sparrow, 5; Lapland Longspur, 2. **Total,** 45 species; about 2311 individuals. (Seen in area count period, but not on count day: Cedar Waxwing.)—Mrs. Margaret Bastuscheck, Dorothy Bordner, Mr. and Mrs. Earl R. Bordner, William S. Clarke, Jr. (compiler), Frank Dachille, Mrs. Alice Fuller, Mrs. D. C. Jenkins, Mrs. Katherine Jones, Mr. and Mrs. Philip B. Lovett, Mrs. Eugene T. McDonald, Mrs. C. J. Rowland, Mrs. George Smith, Mrs. Harmer Weedon, Merrill Wood.

179. Warren, Pa. (all points within a 15-mile diameter circle, center Warren as in past 9 years).—Dec. 24; 7:30 a.m. to 4:30 p.m. Overcast; temp. 0° to 15°; wind NW, 5-10 m.p.h.; 6-in. snow on ground, streams partially open. Five observers in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 48 (10 on foot, 38 by car). ► Horned Grebe, 1; Pied-billed Grebe, 1; Mallard, 5; Black Duck, 29; Redhead, 1; Lesser Scaup, 4; Common Goldeneye, 46; Common Merganser, 2; Herring Gull, 3; Ring-billed Gull, 1; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 8; Blue Jay, 24; Common Crow, 45; Black-capped Chickadee, 49; Tufted Titmouse, 4; White-breasted Nuthatch, 14; Brown Creeper, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 70; Starling, 48; House Sparrow, 172; Redwinged Blackbird, 25; Brown-headed Cowbird, 3; Cardinal, 18; Purple Finch, 5; Pine Siskin, 80; Am. Goldfinch, 55; **Red Crossbill, 3**; Slate-colored Junco, 154; Tree Sparrow, 253; Song Sparrow, 3; Snow Bunting, 22. **Total,** 35 species; about 1167 individuals. (Seen in area count period, but not on count day: Bufflehead, Cooper's Hawk, Mourning Dove, **Snowy Owl**, Great Horned Owl, Robin.)—Thomas Hampson, William Highhouse, Harris E. Johnson (compiler), Mr. and Mrs. Charles Neel.

180. Wellsboro, Pa. (all points within a 15-mile diameter circle, center in Wellsboro, covering Ansonia, Thumptown, Marsh Creek, suburban Wellsboro; mixed woodlands 25%, cultivated land 40%, waste and idle land 15%, stream bank 10%, misc. 10%, 6 feeding stations).—Jan. 1; 7 a.m. to 4 p.m. Morning snow; temp. 10° to 26°; 1-ft. fresh snow over 3-in. old snow, little open water. Eight observers in 6 parties. Total party-hours, 30; total party-miles, 45 (all by car). ► Great Blue Heron, 1; Rough-legged Hawk, 1; Downy Woodpecker, 4; Blue Jay, 22; Common Crow, 44; Black-capped Chickadee, 11; White-breasted Nuthatch, 5; Starling, 65; House Sparrow, 112; Redwinged Blackbird, 1; Common Grackle, 9; Brown-headed Cowbird, 5; Cardinal, 3; Slate-colored Junco, 65; Tree Sparrow, 34; Snow Bunting, 35. **Total,** 16 species; about 417 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Horned Lark, Tufted Titmouse, Winter Wren, Purple Finch.)—Francis Eaton, Harry A. Farber, William Forsythe, Robert Scudder, William Scudder (compiler), Mr. and Mrs. Charles G. Webb, Florence Wheeler.

181. West Chester, Pa. (all points within a 15-mile diameter circle, center in West Chester; open farmland 53%, overgrown fields 20%, deciduous woods 19%, evergreen plantings 2%, serpentine barrens 1%, towns and suburbs 5%).—Dec. 26; 6:50 a.m. to 5:15 p.m. Clear a.m., overcast by 3 p.m.; temp. 12° to 40°; wind SW, 0-15 m.p.h.; ground snow-covered, ponds and major portions of streams frozen. Fifty-three observers in 14 parties. Total party-hours, 141 (83 on foot, 58 by car); total party-miles, 593 (107 on foot, 486 by car). ► Canada Goose, 254; Mallard, 331; Black Duck, 4; Turkey Vulture, 20; Cooper's Hawk, 3; Red-tailed Hawk, 21; Red-shouldered Hawk, 7; Rough-legged Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 52; Bobwhite, 2; Ring-necked Pheasant, 196; Killdeer, 10; Common Snipe, 1; Mourning Dove, 435; Barn Owl, 2; Screech Owl, 3; Great Horned Owl, 5; Long-eared Owl, 6; Belted Kingfisher, 19; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, **20**; **Red-headed Woodpecker, 1**; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 24; Downy Woodpecker, 190; Horned Lark, **153**; Blue Jay, 175; Common Crow, 2126; **Fish Crow, 1**; Black-capped Chickadee, 16; Carolina Chickadee, 157; Tufted Titmouse, 261; White-breasted Nuthatch, 75; Red-breasted Nuthatch, 1; Brown Creeper, 9; Winter Wren, 5; Carolina Wren, 21; Mockingbird, 119; Robin, 35; Eastern Bluebird, 33; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 8; Cedar Waxwing, 5; **Loggerhead Shrike, 1**; Starling, 3604; Myrtle Warbler, 22; House Sparrow, 1328; Eastern Meadowlark, 99; Redwinged Blackbird, 15; **Baltimore Oriole, 1** (at feeder all fall); Rusty Blackbird, 6; Common Grackle, 28; Brown-headed Cowbird, 13; Cardinal, 268; Evening Grosbeak, 2; Purple Finch, 73; Am. Goldfinch, 158; Rufous-sided Towhee, 3; Vesper Sparrow, 1; Slate-colored Junco, 1523; Tree Sparrow, 379; Field Sparrow, 56; White-throated Sparrow, 1088; Fox Sparrow, 3; Swamp Sparrow, 12; Song Sparrow, 383. **Total,** 67 species; about 13,934 individuals.—Charles Abbott, Mr. and Mrs. Burdette Bernard, Thomas D. Brown, Mrs. Clio R. Bryan, Archie Carson, Albert E. Conway, Joseph Cope, Paul S. Earley, Violet L. Findlay, Mrs. Helen D. Fletcher, Mr. and Mrs. John S. Frankenfield, Mrs. Eva Goalwin, Margaret S. Goodwin, Dr. and Mrs. Robert B. Gordon, Mrs. Crawford H. Greenewalt, Mr. and Mrs. Taylor Herron, Edna Hess, Julian W. Hill, Benjamin Howk, Beryl E. Hurlock, Phyllis L. Hurlock (compiler), Mrs. Donald Kitchin, Mr. and Mrs. Herman F. Kuch, Elizabeth Madeira, Viola Messmer, Mr. and Mrs. George Mohler, Frank B. Moody, Mrs. William I. Pendergrast, Mr. and Mrs. George W. Rabinoff, Pauline Ramstine, Mr. and Mrs. Richard Ridgway,

John J. Shrader, Mrs. LeRoy Smith, Mary L. Thomas, William E. Toombs, Mrs. Robert W. Trout, Mr. and Mrs. Rodman Ward, Ann Whitcraft, Gordon Whitcraft, Daniel White, Mr. and Mrs. E. Shippen Willing, Jr., Steven Wilson, Elizabeth Wood (West Chester Bird Club).

182. Wyncote, Pa. (all points within a 15-mile diameter circle, center Brier Bush Bird Sanctuary, Roslyn as in previous years).—Dec. 31; 7 a.m. to 4:30 p.m. Clear a.m., then cloudy; temp. 17° to 37°; wind W, 3-5 m.p.h.; 3-10-in. crusted snow, trees iced, still waters partly frozen. Fifteen observers in 5 parties. Total party-hours, 32 (30 on foot, 2 by car); total party-miles, 48 (26 on foot, 22 by car). ► Canada Goose, 17; Mallard, 25; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 46; Killdeer, 1; Mourning Dove, 52; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 35; Blue Jay, 55; Common Crow, 68; Black-capped Chickadee, 15; Tufted Titmouse, 43; White-breasted Nuthatch, 9; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 22; Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Water Pipit, 4; Cedar Waxwing, 3; Starling, 961; Myrtle Warbler, 3; House Sparrow, 94; Rusty Blackbird, 1; Brown-headed Cowbird, 9; Cardinal, 85; Purple Finch, 49; **House Finch, 4** (G.P. feeder); Am. Goldfinch, 47; Rufous-sided Towhee, 3; Slate-colored Junco, 342; Tree Sparrow, 130; Field Sparrow, 14; White-throated Sparrow, 342; Fox Sparrow, 4; Song Sparrow, 39. **Total,** 45 species; about 2559 individuals.—Laura Beale, Bruce Carrick, Ann and Jane Castle, Mrs. W. M. Custer, Alice Fasy, Dr. and Mrs. C. G. Grosscup, John Kricher, J. A. Lindemann, Fred Mears, P. D. Miller, G. P. Morsello, E. H. Parry (compiler), G. A. Perley (Wyncote Bird Club).

183. York, Pa. (all points within a 15-mile diameter circle, center at Stoney Brook 4 miles east of York).—Dec. 26; 7 a.m. to 5 p.m. Partly cloudy; temp. 10° to 40°; wind W, 8 m.p.h.; 10-in. snow cover. Fourteen observers in 7 parties. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 227 (18 on foot, 209 by car). ► Horned Grebe, 1; Great Blue Heron, 1; Mallard, 30; Black Duck, 450; Common Goldeneye, 45; Bufflehead, 1; Common Merganser, 38; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Bobwhite, 15; Ring-necked Pheasant, 117; Herring Gull, 4; Mourning Dove, 401; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 43; Horned Lark, 27; Blue Jay, 34; Common Crow, 801; Fish Crow, 2; Black-capped Chickadee, 11; Carolina Chickadee, 10; Tufted Titmouse, 51; White-breasted Nuthatch, 8; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 22; Robin, 3; Golden-crowned Kinglet, 1; Starling, **501,764** (roost); Myrtle Warbler, 17; House Sparrow, 796; Eastern Meadowlark, 38; Common Grackle, **200,251**; Brown-headed Cowbird, **300,503** (blackbirds in 2 roosts); Cardinal, 118; Purple Finch, 8; Am. Goldfinch, 54; Slate-colored Junco, 317; Tree Sparrow, 12; **Chipping Sparrow, 3**; Field Sparrow, 5; White-crowned Sparrow, 26; White-throated Sparrow, 303; Song Sparrow, 99. **Total,** 53 species; about 1,006,471 individuals.—Mr. and Mrs. Raymond Bubb, Mrs. Dorothy Dressler, Mr. and Mrs. Paul Ilgenfritz, Mary Neiman, Mr. and Mrs. George Ruby, Dorothy Schwartzer, Mrs. Hilda Schmidt, Albert Spiese, James M. Stein, Jr. (compiler), Mrs. Louis Williams, Sylvia Yeager, Mrs. J. T. Yoder.

184. Bombay Hook National Wildlife Refuge, Del. (all points within a 15-mile diameter circle, center 3½ miles SE of Refuge Headquarters).—Dec. 31; 4 a.m. to 4 p.m.; temp. 25° to 40°; wind SW, 10-15 m.p.h.; lakes frozen, brackish marsh partly open. Twenty-seven observers in 9 parties. Total party-hours, 72 (27 on foot, 45 by car); total party-miles, 545 (45 on foot, 500 by car). ► Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 6; Great Blue Heron, 12; Black-crowned Night Heron, 1; Am. Bittern, 2; Whistling Swan, 1; Canada Goose, 20,546; Brant, 4; Snow Goose, 8; Blue Goose, 8; Mallard, 13,804; Black Duck, 11,223 Gadwall, 2; Pintail, 10,000; Green-winged Teal, 10; Am. Widgeon, 43; Shoveler, 2; Wood Duck, 1; Ring-necked Duck, 12; Canvasback, 6; Greater Scaup, 536; Lesser Scaup, 684; Common Goldeneye, 37; Bufflehead, 70; Oldsquaw, 105; White-winged Scoter, 1; Surf Scoter, 1; Common Scoter, 5; Ruddy Duck, 12; Hooded Merganser, 4; Common Merganser, 48; Red-breasted Merganser, 10; Turkey Vulture, 124; Black Vulture, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, **69**; Red-shouldered Hawk, 2; Rough-legged Hawk, 19; Bald Eagle, 3; Marsh Hawk, 71; Peregrine Falcon, 1; Sparrow Hawk, 53; Bobwhite, 40; Ring-necked Pheasant, 2; Clapper Rail, 1; **Virginia Rail,** 1; Am. Coot, 6; Killdeer, 1; Common Snipe, 1; Dunlin, 4; Great Black-backed Gull, 26; Herring Gull, 1946; Ring-billed Gull, 1808; Mourning Dove, 325; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 11; Barred Owl, 5; Long-eared Owl, 1; Short-eared Owl, 4; Saw-whet Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 81; Red-bellied Woodpecker, 55; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 101; Horned Lark, 245; Blue Jay, 134; Common Crow, 1046; Fish Crow, 22; Black-capped Chickadee, 25; Carolina Chickadee, 131; Tufted Titmouse, 21; Brown Creeper, 13; Winter Wren, 11; Carolina Wren, 24; Long-billed Marsh Wren, 7; Mockingbird, 72; Catbird, 1; Brown Thrasher, 3; Robin, 9; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 5; Loggerhead Shrike, 2; Starling, 20,865; Myrtle Warbler, 65; House Sparrow, 1771; Eastern Meadowlark, 209; Redwinged Blackbird, 29,164; Rusty Blackbird, 12; **Brewer's Blackbird, 10**; **Boat-tailed Grackle, 10**; Common Grackle, 3365; Brown-headed Cowbird, 6045; Cardinal, 561; Purple Finch, 4; Am. Goldfinch, 87; Rufous-sided Towhee, 13; Savannah Sparrow, 23; Sharp-tailed Sparrow, 3; Seaside Sparrow, 2; Vesper Sparrow, 4; Slate-colored Junco, 225;

Tree Sparrow, 308; Field Sparrow, 101; White-crowned Sparrow, **15**; White-throated Sparrow, 1277; Fox Sparrow, 2; Swamp Sparrow, 97; Song Sparrow, 446; Lapland Longspur, 3; Snow Bunting, 5. **Total,** 117 species; about 128,503 individuals.—Bud Alcock, Joe Alcock, John P. Alcock, Seal Brooks, David Cadbury, Joseph Cadbury, Joel Cadbury, Betty Cutler, David Cutler (compiler), Herbert Cutler, Ben Howk, George E. Inskeep, Philip Klabunde, Betty Lenehan, Frederick Lesser, J. T. Linehan, Emlin Massey, Grace Prest, John Prest, Ed Reimann, Harold Rice, E. H. Rigby, P. Schwalbe, Tom Talorowski, Robert Thomen, R. Thoren, Wayne Winston.

185. Middletown, Del. (all points within a 15-mile diameter circle, center Odessa since 1956).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind NNW, 22-28 m.p.h.; ground mostly snow-covered, streams and ponds frozen, river open. Five observers in 3 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 107 (10 on foot, 97 by car). ► Great Blue Heron, 3; Canada Goose, 4; Mallard, 63; Black Duck, 68; Common Merganser, 4; Turkey Vulture, 22; accipiter (sp.), 1; Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 13; Sparrow Hawk, 10; Bobwhite, 4; Great Black-backed Gull, 13; Herring Gull, 50; Ring-billed Gull, 12; Mourning Dove, 9; Short-eared Owl, **6** (one group); Belted Kingfisher, 1; Red-bellied Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 7; Horned Lark, 13; Blue Jay, 13; Common Crow, 17; Black-capped Chickadee, 2; Carolina Chickadee, 5; Tufted Titmouse, 10; Winter Wren, 1; Mockingbird, 11; Robin, 1; Starling, 310; Myrtle Warbler, 2; House Sparrow, 48; Eastern Meadowlark, 7; Redwinged Blackbird, 750; Rusty Blackbird, 5; Common Grackle, 830; Brown-headed Cowbird, 650; Cardinal, 16; Purple Finch, 1; Savannah Sparrow, 1; Slate-colored Junco, 37; Tree Sparrow, 42; Field Sparrow, 4; White-throated Sparrow, 61; Swamp Sparrow, 2; Song Sparrow, 35. **Total,** 47 species; about 3176 individuals. (Seen in area count period, but not on count day: Carolina Wren.)—Elizabeth Brady, Ethel Brady, David Fergus, R. V. Parker, Walden Pell II (compiler).

186. Rehoboth, Del. (all points within a 15-mile diameter circle, center in Indian River Bay as in past 4 years).—Jan. 2; 4 a.m. to 4:30 p.m. Fair; temp. 25° to 50°; wind variable, 6 m.p.h.; ground bare, ponds and streams open. Sixteen observers in 8 parties. Total party-hours, 76 (53 on foot, 23 by car); total party-miles, 350 (55 on foot, 295 by car). ► Common Loon, 113; Red-throated Loon, 469; Red-necked Grebe, 1; Horned Grebe, 2250; Pied-billed Grebe, 16; Double-crested Cormorant, 1; Great Blue Heron, 35; Am. Bittern, 2; Canada Goose, 820; Brant, 15,400; Mallard, 90; Black Duck, 600; Gadwall, 4; Pintail, 68; Green-winged Teal, 34; **European Widgeon, 1** (drake); Am. Widgeon, 291; Shoveler, 1; Canvasback, 4200; Greater Scaup, 75; Lesser Scaup, 6; Common Goldeneye, 1100; Bufflehead, 1600; Oldsquaw, 48; **Harlequin Duck, 2**; White-winged Scoter, 2000; Surf Scoter, 625; Common Scoter, 760; Ruddy Duck, 190; Hooded Merganser, 12; Red-breasted Merganser, 356; Turkey Vulture, 145; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 26; Red-shouldered Hawk, 9; Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 18; **Pigeon Hawk, 1**; Sparrow Hawk, 49; Bobwhite, 44; Clapper Rail, 3; Am. Coot, 105; Killdeer, 24; Black-bellied Plover, 37; Ruddy Turnstone, 1; Purple Sandpiper, 38; Dunlin, 3035; Semipalmated Sandpiper, 6; Sanderling, 1000; Great Black-backed Gull, 145; Herring Gull, 4500; Ring-billed Gull, 5600; Bonaparte's Gull, 3000; Forster's Tern, 2; **Black Skimmer, 7**; Mourning Dove, 300; Screech Owl, 3; Great Horned Owl, 11; Barred Owl, 3; **Long-eared Owl, 2**; **Short-eared Owl, 1**; Belted Kingfisher, 15; Yellow-shafted Flicker, 50; Red-bellied Woodpecker, 11; **Yellow-bellied Sapsucker, 2**; Hairy Woodpecker, 9; Downy Woodpecker, 74; Horned Lark, 325; **Tree Swallow, 80**; Blue Jay, 60; Common Crow, 1460; Fish Crow, 28; Carolina Chickadee, 156; Tufted Titmouse, 87; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, **67**; Brown Creeper, 20; Winter Wren, 9; Carolina Wren, 49; Long-billed Marsh Wren, 1; **Short-billed Marsh Wren, 6**; Mockingbird, 47; Catbird, 4; Brown Thrasher, 5; Robin, 152; Hermit Thrush, 1; Golden-crowned Kinglet, 51; Water Pipit, 3; Starling, 10,000; Myrtle Warbler, 1133; Pine Warbler, 7; **Palm Warbler, 1**; **Yellowthroat, 1**; House Sparrow, 2100; Eastern Meadowlark, 228; Redwinged Blackbird, 300,000; Rusty Blackbird, 27; Common Grackle, 500,000; Brown-headed Cowbird, 75,000; Cardinal, 192; Pine Siskin, 4; Am. Goldfinch, 110; Rufous-sided Towhee, 41; Savannah Sparrow, 29; Sharp-tailed Sparrow, 7; Seaside Sparrow, **25**; Slate-colored Junco, 262; Tree Sparrow, 223; Field Sparrow, 109; White-throated Sparrow, 720; Fox Sparrow, 24; Swamp Sparrow, 60; Song Sparrow, 597; Snow Bunting, **133**. **Total,** 116 species; about 943,102 individuals. (Seen in area count period, but not on count day: Black Vulture.)—Bud Alcock, Jack Alcock, Joe Alcock, Betty Cutler, Darryl Cutler, David Cutler, Herbert Cutler, Steven Cutler, Samuel Dyke, Henry Matthews (compiler), Stephen Matthews, Walden Pell II, Edward Reimann, John Sawyer, Paul Schwalbe, Rollin Thorne.

187. Accokeek, Md. (all points within a 15-mile diameter circle, center 1½ miles north of Accokeek; east side of Potomac River from Bryan's Point east along south side of Piscataway Creek to Indian Head Highway; about 3 sq. miles of river and bay front, cultivated river flat, cattail marsh, wooded swamp, wooded creek-bottom, upland pig farm).—Dec. 22; 7:45 a.m. to 4:45 p.m. Clear; temp. 15° to 32°; wind W, 0-25 m.p.h.; 3-6-in. old crusty snow; marshes, bays, wide border of Potomac frozen. Five observers in 4 parties. Total party-hours, 27; total party-miles, 20 (all on foot). ► Mallard, 30; Black Duck, 20; Common Goldeneye, 2; Bufflehead, 2; Ruddy Duck, 11; Common Merganser, 6; Turkey Vulture, 7; **Goshawk, 1** (adult seen well—T.N.); Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 1; Bobwhite, 70; Herring Gull, 25; Ring-billed Gull, 80; Mourning Dove, 50; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pi-

leated Woodpecker, 2; Red-bellied Woodpecker, 40; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 35; Horned Lark, 30; Blue Jay, 100; Common Crow, 80; Carolina Chickadee, 27; Tufted Titmouse, 36; White-breasted Nuthatch, 8; Brown Creeper, 7; Winter Wren, 3; Carolina Wren, 21; Mockingbird, 30; Brown Thrasher, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 2; Starling, 2000; Myrtle Warbler, 18; House Sparrow, 75; Eastern Meadowlark, 4; Redwinged Blackbird, 35; Rusty Blackbird, 1; Common Grackle, 8; Cardinal, 80; Purple Finch, 3; Am. Goldfinch, 1; Rufous-sided Towhee, 11; Savannah Sparrow, 1; Slate-colored Junco, 200; Tree Sparrow, 3; Field Sparrow, 70; White-throated Sparrow, 250; Swamp Sparrow, 7; Song Sparrow, 130; **Lapland Longspur, 2**; **Snow Bunting, 1**. **Total,** 58 species; about 3685 individuals.—C. A. Anderson, A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

188. Annapolis, Md. (all points within a 15-mile diameter circle, center on south end of Severn River Bridge on Route 50; Gibson Island not covered).—Jan. 1; 7:30 a.m. to 5:30 p.m.; temp. 35° to 42°; wind NW, 5-20 m.p.h.; Chesapeake and large rivers open, creeks frozen, ground ½ covered with crusted snow, coldest Dec. in 41 years. Twenty-three observers in 21 parties. Total party-hours, 130 (62 on foot, 68 by car); total party-miles, 492 (93 on foot, 399 by car). ► Red-necked Grebe, 1; Horned Grebe, 91; Pied-billed Grebe, 5; Great Blue Heron, 11; Whistling Swan, 1086; Canada Goose, 405; Mallard, 27; Black Duck, 128; Am. Widgeon, 242; Redhead, 38; Canvasback, 2992; Greater and Lesser Scaup, 2873; Common Goldeneye, 630; Bufflehead, 67; Oldsquaw, 24; Surf Scoter, 1; Ruddy Duck, 1113; Red-breasted Merganser, 2; Turkey Vulture, 41; Black Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 4; Bald Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 7; Bobwhite, 251; Am. Coot, 10; Killdeer, 20; Great Black-backed Gull, 6; Herring Gull, 185; Ring-billed Gull, 120; Laughing Gull, 4; Bonaparte's Gull, 1; Mourning Dove, 234; Barred Owl, 1; Belted Kingfisher, 29; Yellow-shafted Flicker, 22; Pileated Woodpecker, 1; Red-bellied Woodpecker, 77; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 10; Downy Woodpecker, 69; Horned Lark, 17; Blue Jay, 300; Common Crow, 226; Fish Crow, 9; Black-capped Chickadee, 22; Carolina Chickadee, 194; Tufted Titmouse, 166; White-breasted Nuthatch, 12; Brown Creeper, 17; Winter Wren, 2; Carolina Wren, 34; Mockingbird, 180; Brown Thrasher, 2; Robin, 68; Eastern Bluebird, 6; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 6; Cedar Waxwing, 2; Starling, 1964; Myrtle Warbler, 14; House Sparrow, 434; Eastern Meadowlark, 28; Redwinged Blackbird, 1350; Rusty Blackbird, 6; Common Grackle, 338; Brown-headed Cowbird, 1350; Cardinal, 424; Purple Finch, 14; Pine Siskin, 2; Am. Goldfinch, 44; Rufous-sided Towhee, 26; Savannah Sparrow, 4; Slate-colored Junco, 1294; Tree Sparrow, 9; Field Sparrow, 118; White-crowned Sparrow, 1; White-throated Sparrow, 750; Fox Sparrow, 3; Swamp Sparrow, 9; Song Sparrow, 170; Snow Bunting, **200** (S.L.). **Total,** 86 species; about 20,692 individuals.—Randy Albury, Munroe Crutchley, Mrs. V. F. Flyger, Harvey Hall, Mr. and Mrs. David G. Howard, Tom Kline, Seth H. and S. Tom Low, Mrs. Martena Luff, Mr. and Mrs. Douglas Miner, R. E. Schmidt, H. G. Stevenson, Father Edward Stoehr, H. F. Sturdy, Mrs. Richard S. West, Mrs. E. P. Wilson, Harold and Hal Wierenga, James and Sarah Wood, J. E. M. Wood (compiler).

189. Catoctin Mountain, Md. (all points within a 15-mile diameter circle, center 1.3 miles west of Thurmont as in past 11 years).—Jan. 2; 5:15 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. 25° to 40°; wind W, 0-5 m.p.h.; ground snow-covered, ponds frozen, streams partly frozen. Eleven observers in 3 parties. Total party-hours, 32 (14 on foot, 18 by car); total party-miles, 138 (11 on foot, 127 by car). ► **Am. Bittern, 1** (F.F., S.L.); Mallard, 18; Black Duck, 1; Turkey Vulture, 10; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Peregrine Falcon, 1; **Pigeon Hawk, 1** (B.H., J.M.); Sparrow Hawk, 9; Ruffed Grouse, 5; Bobwhite, **191**; Ring-necked Pheasant, **22**; Killdeer, 1; Mourning Dove, 20; Barn Owl, 1; Screech Owl, 2; Yellow-shafted Flicker, 8; Pileated Woodpecker, 4; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 45; Eastern Phoebe, 1; Horned Lark, 11; Blue Jay, 82; Common Crow, 1140; Fish Crow, 13; Black-capped Chickadee, 11; Carolina Chickadee, 45; Tufted Titmouse, 99; White-breasted Nuthatch, 8; Brown Creeper, 3; Carolina Wren, 11; Mockingbird, 37; Golden-crowned Kinglet, 10; Cedar Waxwing, 3; Starling, 2130; House Sparrow, 993; Eastern Meadowlark, 27; Redwinged Blackbird, 1; Brown-headed Cowbird, 18; Cardinal, 159; Purple Finch, 6; Am. Goldfinch, 24; Vesper Sparrow, 4; Slate-colored Junco, 230; Tree Sparrow, 94; Field Sparrow, 27; White-crowned Sparrow, **90**; White-throated Sparrow, 113; Fox Sparrow, 1; Song Sparrow, 81. **Total,** 53 species; about 5838 individuals. (Seen in area count period, but not on count day: Common Merganser.)—Dale Dudash, Ellen W. Edwards, Sterling W. Edwards, Frank P. Frazier, Jr., Bertram W. Haines, Seth H. Low, Jack J. Marion, Pan Minke, Charles L. Mullican, John W. Richards (compiler), Ruth O. Richards.

190. Cylburn Wildflower Preserve, Md. (all points within 180 acres).—Dec. 31; 7 a.m. to 3 p.m. Foggy, then cloudy; temp. 25° to 35°; wind W to NW, 1-5 m.p.h.; ground snow-covered. Eleven observers in 3 parties. Total party-hours, 36; total party-miles, 30 (all on foot). ► Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Killdeer, 1; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 16; Blue Jay, 29; Common Crow, 27; Fish Crow, 1; Carolina Chickadee, 49; Tufted Titmouse, 51; White-breasted Nuthatch, 12; Carolina Wren, 3; Mockingbird, 7; Brown Thrasher, 1; Robin, 5; Starling, 99; House Sparrow, 35; Brown-headed Cowbird, 31; Cardinal, 34; Purple Finch, 1; Am.

Goldfinch, 3; Rufous-sided Towhee, 12; Slate-colored Junco, 91; White-throated Sparrow, 35; Fox Sparrow, 2; Song Sparrow, 10. **Total,** 30 species; about 569 individuals.—Nigel Akerman, Sue Akerman, Robert Burns, Elizabeth Fisher, Mrs. Robert E. Kaestner (compiler), Beth Lawson, Laurel Pilsch, Mrs. Norwood Schaffer, Jane Stoll, Nan and Taylor Taliaferro.

191. Denton, Md. (all points within a 15-mile diameter circle, center as in last 10 years).—Dec. 24; 5:45 a.m. to 4:45 p.m. Mostly cloudy, clearing late; temp. 12° to 32°; wind S, 0-10 m.p.h.; ground covered with hard snow, most water frozen. Sixteen observers in 11 parties. Total party-hours, 65 (48 on foot, 17 by car); total party-miles, 309 (44 on foot, 265 by car). ► Great Blue Heron, 1; Canada Goose, 25; Mallard, 5; Black Duck, 7; Turkey Vulture, 207; Black Vulture, 8; Red-tailed Hawk, 5; Red-shouldered Hawk, 6; Marsh Hawk, 21; Sparrow Hawk, 27; Bobwhite, 110; Ring-necked Pheasant, 2; Killdeer, 2; Ring-billed Gull, 8; Mourning Dove, 95; Great Horned Owl, 5; Barred Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 37; Red-bellied Woodpecker, 38; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 72; Eastern Phoebe, 1; Horned Lark, 36; Blue Jay, 138; Common Crow, 157; Fish Crow, 1; Carolina Chickadee, 92; Tufted Titmouse, 68; White-breasted Nuthatch, 1; Brown Creeper, 16; Winter Wren, 2; Carolina Wren, 3; Mockingbird, 35; Robin, 54; Hermit Thrush, 2; Golden-crowned Kinglet, 24; Loggerhead Shrike, 7; Starling, 1651; Myrtle Warbler, 4; House Sparrow, 677; Eastern Meadowlark, 111; Redwinged Blackbird, 35; Rusty Blackbird, 10; Common Grackle, 21; Brown-headed Cowbird, 92; Cardinal, 297; Am. Goldfinch, 23; Rufous-sided Towhee, 21; Savannah Sparrow, 3; Slate-colored Junco, 549; Tree Sparrow, 4; Field Sparrow, 54; White-crowned Sparrow, 3; White-throated Sparrow, 667; Fox Sparrow, 12; Swamp Sparrow, 1; Song Sparrow, 97. **Total,** 59 species; about 5668 individuals. (Seen in area count period, but not on count day: Bald Eagle, Brown Thrasher.) —Elsie Bilbrough, Charles M. Buchanan, Margarete Butenschoen, A. J. Fletcher (compiler), Robert E. Fletcher, Marvin W. Hewitt, Naomi W. Hewitt, Richard L. Kleen, Alicia Knotts, Minnie Miller, Terry Moore, Essie Pepper, Robert Pepper, Carol Scudder, Billy Scudder, A. May Thompson.

192. Gibson Island, Md. (all points within a 15-mile diameter circle, island about 2 square miles connected to mainland by causeway).—Jan. 2; 6:30 a.m. to 4:30 p.m. Clear; temp. 30° to 45°; wind SW, 0-5 m.p.h.; creeks and marshes frozen, bay open, ground ¾ covered by crusted snow. Fifteen observers in 4 parties. Total party-hours, 36 (24 on foot, 12 by car); total party-miles, 16 (4 on foot, 12 by car). ► Common Loon, 1; Horned Grebe, 8; Great Blue Heron, 4; Whistling Swan, 600; Mallard, 135; Black Duck, 50; Gadwall, 1; **European Widgeon, 1**; Am. Widgeon, 250; Redhead, 30; Canvasback, 500; Greater Scaup, 500; Lesser Scaup, 400; Common Goldeneye, 200; Bufflehead, 150; Oldsquaw, 5; Ruddy Duck, 200; Red-tailed Hawk, 1; Marsh Hawk, 1; Bobwhite, 35; Am. Coot, 60; Killdeer, 2; Great Black-backed Gull, 7; Herring Gull, 20; Ring-billed Gull, 15; Mourning Dove, 25; Great Horned Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 80; Blue Jay, 43; Common Crow, 56; Fish Crow, 2; Black-capped Chickadee, 2; Carolina Chickadee, 46; Tufted Titmouse, 38; Brown Creeper, 11; **House Wren, 1** (W.H., G.T.); Winter Wren, 1; Carolina Wren, 17; Mockingbird, 54; Hermit Thrush, 2; Golden-crowned Kinglet, 35; Starling, 160; Myrtle Warbler, 3; House Sparrow, 121; Eastern Meadowlark, 1; Redwinged Blackbird, 78; Brown-headed Cowbird, 148; Cardinal, 157; Purple Finch, 1; Am. Goldfinch, 13; Savannah Sparrow, 1; Slate-colored Junco, 103; Field Sparrow, 5; White-throated Sparrow, 196; Song Sparrow, 80. **Total,** 60 species; about 4695 individuals. [Veery with unsatisfactory details removed from list—Ed.]—Charles Buchanan, Mrs. Richard Henderson, William Henderson, Mrs. William Henderson (compiler), Mrs. Arthur Hepburn, Mr. and Mrs. Jackson Kidd, Betsy Schaffer, Mr. and Mrs. Bruce Smart, Willie Smart, Mrs. Norman Smith, Mrs. Elder Symington, Mrs. Gail Tappan, Nina Zouck.

193. Lower Kent County, Md. (all points within a 15-mile diameter circle, center 2.25 miles east of Rock Hall).—Dec. 31; 12:01 a.m. to 6 p.m. Clear; temp. 30° to 45°; no wind; 0-10-in. snow, most water frozen, beginning to open. Twenty-nine observers in 6 parties. Total party-hours, 105 (60 on foot, 45 by car); total party-miles, 441 (56 on foot, 385 by car). ► Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 24; Black-crowned Night Heron, 1; Whistling Swan, 1161; Canada Goose, **59,440**; Snow Goose, **38**; Blue Goose, **186**; Mallard, 2845; Black Duck, 3716; Pintail, **7668**; **Blue-winged Teal, 1** (crippled); Am. Widgeon, 19; Wood Duck, 1; Redhead, 75; Ring-necked Duck, 110; Canvasback, 1404; Greater and Lesser Scaup, 579; Common Goldeneye, 162; Bufflehead, 26; Oldsquaw, 3; Ruddy Duck, 2; Common Merganser, 13; Red-breasted Merganser, 46; Turkey Vulture, 286; Black Vulture, 4; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, **55**; Red-shouldered Hawk, 11; Rough-legged Hawk, 2; **Golden Eagle, 1** (C.G.W.); Marsh Hawk, 31; **Pigeon Hawk, 1** (Mrs. R.D.C.); Sparrow Hawk, 45; Bobwhite, 243; Am. Coot, 218; Killdeer, 2; Common Snipe, 3; Great Black-backed Gull, 37; Herring Gull, 861; Ring-billed Gull, 1137; Mourning Dove, 111; Screech Owl, 1; Great Horned Owl, **51**; Barred Owl, 4; Long-eared Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 21; Yellow-shafted Flicker, 108; Red-bellied Woodpecker, 47; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 53; Horned Lark, 42; Blue Jay, 394; Common Crow, 1268; Fish Crow, 9; Carolina Chickadee, 124; Tufted Titmouse, 139; White-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 55; Mockingbird, 195; Catbird, 1; Robin, 69; Hermit Thrush, 1; Golden-crowned Kinglet, 119; Water Pipit, 2; Cedar Waxwing, 3; Loggerhead Shrike, 2; Starling, 2010; Myrtle Warbler, 213; House Sparrow, 1449;

Eastern Meadowlark, 489; Redwinged Blackbird, 2110; Rusty Blackbird, 8; Common Grackle, 302; Brown-headed Cowbird, 512; Cardinal, 616; Evening Grosbeak, 2; Purple Finch, 2; Am. Goldfinch, 19; Rufous-sided Towhee, 42; Savannah Sparrow, 43; Slate-colored Junco, 570; Tree Sparrow, 37; Chipping Sparrow, 6; Field Sparrow, 182; White-crowned Sparrow, 39; White-throated Sparrow, 984; Fox Sparrow, 3; Swamp Sparrow, 67; Song Sparrow, 313; **Total,** 96 species; about 93,324 individuals. (Seen in area count period, but not on count day: Eastern Bluebird, Pine Warbler.)—Frederick Bowes, Mrs. R. D. Cole, G. L. Gardner, Daniel D. Gibson, Dr. and Mrs. Daniel Z. Gibson, Mary L. Gibson, Douglas Hackman, Richard McCown, Wibs McLain, Mr. and Mrs. John Nelson, Mrs. Roy Ruhnka, Betsy Schaffer, Phillips Shively, James H. Smith, Mr. and Mrs. Clark G. Webster (Maryland Ornithological Society).

194. Ocean City, Md. (all points within a 15-mile diameter circle, center 0.8 mile SSE of center of Berlin as in past 12 years; same habitat percentages as in 1949).—Dec. 28; 6 a.m. to 5:30 p.m. Partly cloudy; temp. 20° to 31°; wind NE, 11-17 m.p.h.; ponds, rivers, marshes, coves mostly frozen, ground bare, coldest mid-Dec. on record. Twenty-eight observers in 9 parties. Total party-hours, 115 (75 on foot, 39½ by car, 1½ by boat); total party-miles, 402 (98 on foot, 297 by car, 7 by boat). ► Common Loon, 9; Red-throated Loon, 43; Horned Grebe, 272; Pied-billed Grebe, 5; Double-crested Cormorant, 6; Great Blue Heron, 57; **Common Egret, 1**; Black-crowned Night Heron, 10; Canada Goose, 4051; Brant, 6000; Snow Goose, 1; Mallard, **1484**; Black Duck, **3244**; Gadwall, **16**; Pintail, 85; Green-winged Teal, 20; Am. Widgeon, 76; Shoveler, 2; Ring-necked Duck, 4; Canvasback, 7122; Greater Scaup, 2; Lesser Scaup, 12; Common Goldeneye, 32; Bufflehead, 158; Oldsquaw, 68; King Eider, 1 (S.D.); White-winged Scoter, 104; Surf Scoter, 81; Common Scoter, 20; Ruddy Duck, 19; Red-breasted Merganser, 89; Turkey Vulture, 588; Black Vulture, 2; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 27; Red-shouldered Hawk, 8; Bald Eagle, 2; Marsh Hawk, 17; Pigeon Hawk, 1; Sparrow Hawk, 38; Bobwhite, 133; Clapper Rail, 9; Am. Coot, 2; Piping Plover, 4; Killdeer, 58; Black-bellied Plover, 69; Am. Woodcock, 6; Common Snipe, 20; Greater Yellowlegs, 1; Purple Sandpiper, **71**; Least Sandpiper, 10; Dunlin, 225; Sanderling, 86; Great Black-backed Gull, 37; Herring Gull, 919; Ring-billed Gull, 906; Laughing Gull, 1; Bonaparte's Gull, 93; Forster's Tern, 14; **Common Tern, 1** (S.H.D.); Mourning Dove, 225; Screech Owl, 5; Great Horned Owl, 3; Barred Owl, 3; Belted Kingfisher, 10; Yellow-shafted Flicker, 104; Pileated Woodpecker, 13; Red-bellied Woodpecker, 53; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 21; Downy Woodpecker, 112; Horned Lark, 20; Tree Swallow, 1; Blue Jay, 15; Common Crow, 448; Carolina Chickadee, 319; Tufted Titmouse, 104; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 48; Brown Creeper, 21; House Wren, 1; Winter Wren, 31; Carolina Wren, 42; Mockingbird, 39; Catbird, 9; Brown Thrasher, 15; Robin, 228; Hermit Thrush, 8; Eastern Bluebird, **2** (alarmingly low); Golden-crowned Kinglet, 65; Ruby-crowned Kinglet, 6; Cedar Waxwing, 3; Loggerhead Shrike, 3; Starling, 105,000 (roost count); Myrtle Warbler, 689; Pine Warbler, 8; Yellowthroat, 3; House Sparrow, 638; Eastern Meadowlark, 751; Redwinged Blackbird, **103,000**; Rusty Blackbird, 26; Common Grackle, **1,340,000**; Brown-headed Cowbird, **460,000**; Cardinal, 297; Purple Finch, 2; Pine Siskin, 4; Am. Goldfinch, 180; Rufous-sided Towhee, 153; Ipswich Sparrow, 3; Savannah Sparrow, 139; Sharp-tailed Sparrow, 15; Vesper Sparrow, 2; Slate-colored Junco, 493; Tree Sparrow, 19; Chipping Sparrow, 27; Field Sparrow, 210; White-crowned Sparrow, 3; White-throated Sparrow, 1563; Fox Sparrow, 21; Swamp Sparrow, 130; Song Sparrow, 616; Snow Bunting, 55. **Total,** 124 species; about 2,042,489 individuals. (Seen in area count period, but not on count day: Redhead.)—Gladys H. Cole, Paul G. DuMont, Philip A. DuMont, Margaret Duncombe, S. H. Dyke, Helen Fessenden, Ira M. Gabrielson, Luther Goldman, C. Douglas Hackman, Earson Harmon, J. Ellsworth Knudson, Seth H. Low (compiler), Tom Low, Mr. and Mrs. John T. Lovett, Gordon M. Meade, James M. Meade, Bruce I. Nesbitt, Stephen A. Nesbitt, Peter Rosenbaum, Betsy Schaffer, Robert Scott, Ann E. Taylor, John W. Terborgh, John S. Webb, John S. Weske, Alden Willoughby, John E. Willoughby.

195. Palmers, Md. (all points within a 15-mile diameter circle, center Dynard, includes Potomac River from Flood Creek to Wicomico River as far as Budds Creek; pasture 20%, marshes 10%, town suburbs 5%, plowed land 15%, deciduous woodland 20%, coniferous woodland 10%, rivers 20%).—Jan. 2; 6 a.m. to 6:30 p.m. Clear; temp. 26° to 42°; no wind; ground clear. Three observers in 3 parties. Total party-hours, 34 (23 on foot, 10 by car, 1 by boat); total party-miles, 253 (23 on foot, 225 by car, 5 by boat). ► Common Loon, 4; Horned Grebe, 123; Pied-billed Grebe, 2; Great Blue Heron, 30; Whistling Swan, 397; Canada Goose, 575; Mallard, 32; Black Duck, 175; Gadwall, 66; Pintail, 11; Am. Widgeon, 5325; Redhead, 300; Canvasback, 477; Lesser Scaup, 511; Common Goldeneye, 285; Bufflehead, 108; Oldsquaw, 112; White-winged Scoter, 750; Common Scoter, 3; Ruddy Duck, 1502; Turkey Vulture, 74; Black Vulture, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 7; Rough-legged Hawk, 4; Bald Eagle, 4; Marsh Hawk, 5; Sparrow Hawk, 11; Bobwhite, 23; Am. Coot, 2014; Killdeer, 6; Common Snipe, 9; Great Black-backed Gull, 32; Herring Gull, 183; Ring-billed Gull, 225; Mourning Dove, 52; Screech Owl, 1; Great Horned Owl, 2; **Snowy Owl, 1**; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 30; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 26; Horned Lark, 3; Blue Jay, 93; Common Crow, 294; Fish Crow, 1; Carolina Chickadee, 44; Tufted Titmouse, 39; Brown Creeper, 9; Winter Wren, 10; Carolina Wren, 22; Long-billed Marsh Wren, 7; Mockingbird, 41; Brown Thrasher 6; Robin,

97; Hermit Thrush, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 77; Ruby-crowned Kinglet, 10; Water Pipit, 22; Loggerhead Shrike, 5; Starling, 2356; Myrtle Warbler, 380; Yellowthroat, 1; House Sparrow, 163; Eastern Meadowlark, 149; Redwinged Blackbird, 2180; Rusty Blackbird, 10; Common Grackle, 2575; Brown-headed Cowbird, 54; Cardinal, 121; Purple Finch, 6; Am. Goldfinch, 31; Rufous-sided Towhee, 86; Savannah Sparrow, 15; Slate-colored Junco, 191; Tree Sparrow, 21; Field Sparrow, 112; White-throated Sparrow, 307; Fox Sparrow, 8; Swamp Sparrow, 49; Song Sparrow, 143. **Total,** 88 species; about 23,293 individuals.—James M. Banagan (compiler), John W. Terborgh, John S. Weske.

196. Port Tobacco, Md. (all points within a 15-mile diameter circle, center Bel Alton; woodland 45%, cultivated land 20%, tidal waters 15%, marsh 3%, swamp 17%).—Jan. 2; 8 a.m. to 4:30 p.m. Clear; temp. 28° to 42°; no wind. Six observers in 4 parties. Total party-hours, 23 (18 on foot, 5 by car); total party-miles, 111 (94 on foot, 17 by car). ► Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 6; Whistling Swan, 175; Canada Goose, 12; **Snow Goose, 1** (R.F., J.C.); Mallard, 12; Black Duck, 24; Gadwall, 2; Canvasback, 162; Lesser Scaup, 5; Common Goldeneye, 3; Ruddy Duck, 125; Turkey Vulture, 196; Black Vulture, 49; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 9; Sparrow Hawk, 6; Bobwhite, 32; Killdeer, 1; Great Black-backed Gull, 4; Herring Gull, 20; Ring-billed Gull, 26; Mourning Dove, 64; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Red-bellied Woodpecker, 27; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 16; Blue Jay, 113; Common Crow, 115; Carolina Chickadee, 55; Tufted Titmouse, 40; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 14; Mockingbird, 9; Brown Thrasher, 3; Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 1; Starling, 895; Myrtle Warbler, 49; House Sparrow, 27; Eastern Meadowlark, 21; Redwinged Blackbird, 1450; Rusty Blackbird, 32; Common Grackle, 3000; Brown-headed Cowbird, 1025; Cardinal, 58; Am. Goldfinch, 31; Rufous-sided Towhee, 24; Slate-colored Junco, 148; Tree Sparrow, 8; Field Sparrow, 27; White-crowned Sparrow, 2; White-throated Sparrow, 267; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 43. **Total,** 70 species; about 8515 individuals. (Seen in area count period, but not on count day. Peregrine Falcon, **Snowy Owl, Saw-whet Owl.**)—Joan H. Criswell, Robert L. Farr, James S. Lindzey, Watson M. Perrygo, Allen R. Stickley, Jr. (compiler), John S. Webb.

197. St. Michaels, Md. (all points within a 15-mile diameter circle, center in Grace's Cove, Bozman as in past 6 years).—Jan. 1; 6 a.m. to 5:30 p.m. Rain, clearing at dawn; temp. 32° to 42°; wind W, 10-40 m.p.h.; tidal inlets frozen, bay open. Thirty-six observers in 11 parties. Total party-hours, 124 (90 on foot, 34 by car); total party-miles, 568 (110 on foot, 458 by car). ► Common Loon, 2; Horned Grebe, 131; Great Blue Heron, 32; Whistling Swan, 8718; Canada Goose, **54,122 (2 Hutchin's)**; Brant, 23; Snow Goose, **5**; Blue Goose, 7; Mallard, 948; Black Duck, 2526; Pintail, 422; Green-winged Teal, 1; Am. Widgeon, 958; Redhead, 463; Ring-necked Duck, **268**; Canvasback, 5569; Greater Scaup, 1; Lesser Scaup, 285; Common Goldeneye, 674; Bufflehead, 17; Oldsquaw, 430; White-winged Scoter, 10; Ruddy Duck, 215; Common Merganser, 25; Red-breasted Merganser, 10; Turkey Vulture, 289; Black Vulture, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, **43**; Red-shouldered Hawk, 2; Bald Eagle, 5 (all adults); Marsh Hawk, 26; **Pigeon Hawk, 2** (of 4 seen by many observers this winter); Sparrow Hawk, **60**; Bobwhite, 238; Am. Coot, 143; Killdeer, **3** (very low); Am. Woodcock, 1; Great Black-backed Gull, 13; Herring Gull, 725; Ring-billed Gull, 1260; Laughing Gull, 1; Bonaparte's Gull, 5; Mourning Dove, 137; Screech Owl, 4; Great Horned Owl, 7; Belted Kingfisher, 28; Yellow-shafted Flicker, 131; Red-bellied Woodpecker, 69; **Red-headed Woodpecker, 1** (J.A., D.H., J.W.); Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 25; Downy Woodpecker, 82; Horned Lark, 2; Blue Jay, 535; Common Crow, 5460; Fish Crow, 141; Black-capped Chickadee, 1; Carolina Chickadee, 406; Tufted Titmouse, 91; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 230; Brown Creeper, **38**; House Wren, 1; Winter Wren, 4; Carolina Wren, 34; Mockingbird, 136; Catbird, **10**; Brown Thrasher, **15**; Robin, 65; Hermit Thrush, 1; Eastern Bluebird, **20** (very low); Golden-crowned Kinglet, 58; Ruby-crowned Kinglet, 4; Water Pipit, 113; Loggerhead Shrike, 2; Starling, 9902; Myrtle Warbler, 344; Pine Warbler, **9** (8 at feeding stations); Palm Warbler, **10**; House Sparrow, 1248; Eastern Meadowlark, 427; Redwinged Blackbird, 13,762; Rusty Blackbird, 1; Common Grackle, **250,353**; Brown-headed Cowbird, 576; Cardinal, 436 (1 bright yellow!); Pine Siskin, 3; Am. Goldfinch, 107; Rufous-sided Towhee, 23; Slate-colored Junco, 973; Tree Sparrow, 1; Field Sparrow, 92; White-crowned Sparrow, 3; White-throated Sparrow, 2888; Fox Sparrow, 4; Swamp Sparrow, 17; Song Sparrow, 228. **Total,** 100 species (1 additional race); about 367,952 individuals.—Edith Adkins, J. T. Ambler, Harry Armistead, Charles Buchanan, Robert Burns, Gladys Cole, A. Jerome Fletcher, Mildred Galloway, Cortland van D. Hubbard, C. Douglas Hackman, Richard L. Kleen (compiler), Jan Reese, Robert Sharp, Robert Smith, Betsy Schaffer, Joe Spurry, W. Rowland Taylor, Ann Taylor, Mrs. Gardner Tillinghast, John Wanuga.

198. Southern Dorchester County, Md. (all points within a 15-mile diameter circle, center 5¼ miles NE of Wingate Post Office as in past 13 years; limited coverage due to weather and deer hunter danger).—Dec. 29; 6:15 a.m. to 5:30 p.m. Heavily overcast, moderate sleet early a.m., occasional light rain later; temp. 30° to 42°; wind variable, 0-5 m.p.h.; marshes, ponds, bays frozen, traces of snow cover (unusually cold Dec. with 4-in. snowfall). Four observers in 3 parties. Total party-hours, 25 (21 on

foot, 4 by car); total party-miles, 57 (17 on foot, 40 by car). ► Horned Grebe, 4; Great Blue Heron, 22; Common Egret, 2; Am. Bittern, 4; Whistling Swan, 32; Canada Goose, 4500; Snow Goose, 1; Mallard, 70; Black Duck, 160; Pintail, 93; Green-winged Teal, 22; Am. Widgeon, 5; Redhead, 5; Canvasback, 130; Greater Scaup, 1; Common Goldeneye, 85; Oldsquaw, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 19; Sparrow Hawk, 5; Bobwhite, 17; Clapper Rail, 1; Virginia Rail, 1; Am. Woodcock, 4; Common Snipe, 1; Great Black-backed Gull, 2; Herring Gull, 90; Ring-billed Gull, 40; Barn Owl, 1; Great Horned Owl, 12; Barred Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 1; Common Crow, 360; Black-capped Chickadee, 4; Carolina Chickadee, 28; Tufted Titmouse, 5; Brown-headed Nuthatch, 60; Winter Wren, 5; Carolina Wren, 3; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 1; Mockingbird, 4; Catbird, 6; Brown Thrasher, 5; Robin, 22; Hermit Thrush, 1; Golden-crowned Kinglet, 19; Starling, 60; Myrtle Warbler, 122; House Sparrow, 30; Eastern Meadowlark, 13; Redwinged Blackbird, 1450; Common Grackle, 85; Cardinal, 37; Rufous-sided Towhee, 12; Savannah Sparrow, 8; Slate-colored Junco, 8; Tree Sparrow, 6; Field Sparrow, 50; White-throated Sparrow, 110; Fox Sparrow, 7; Swamp Sparrow, 90; Song Sparrow, 85. **Total,** 71 species; about 8093 individuals. (Seen in area count period, but not on count day: Blue Goose, Gadwall, Ring-necked Duck, Common Merganser, Turkey Vulture, Bald Eagle.)—Pete Davis, John W. Terborgh, John S. Weske (compiler).

199. Triadelphia Reservoir, Md. (all points within a 15-mile diameter circle, center 3 miles ESE of Brighton Dam as in previous 12 years; habitat percentages as in 1959).—Dec. 26; 5 a.m. to 6 p.m. Clear a.m., cloudy p.m.; temp. 14° to 36°; wind NW, 0-10 m.p.h.; water areas 99% frozen, ground 95% snow-covered, coldest and most snow (14+ inches) for mid-Dec. on record. Twenty-four observers in 12 parties. Total party-hours, 73 (43 on foot, 30 by car); total party-miles, 455 (48 on foot, 407 by car). ► Horned Grebe, 1; Great Blue Heron, 6; Canada Goose, 2; Mallard, 311; Black Duck, 311; Am. Widgeon, 10; Hooded Merganser, 7; Common Merganser, 1; Turkey Vulture, 103; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, **14**; Red-shouldered Hawk, 15; Rough-legged Hawk, **2**; Marsh Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 25; Bobwhite, **99**; Am. Coot, 1; Killdeer, 3; Common Snipe, 1; Mourning Dove, 203; Screech Owl, 18; Barred Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 54; Red-bellied Woodpecker, 56; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 164; Horned Lark, 163; Blue Jay, 494; Common Crow, 3513; Fish Crow, 4; Black-capped Chickadee, 16; Carolina Chickadee, 156; Tufted Titmouse, 133; White-breasted Nuthatch, 16; Brown Creeper, 15; Winter Wren, 6; Carolina Wren, 27; Mockingbird, 173; Brown Thrasher, 1; Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 11; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 5; Starling, 3332; Myrtle Warbler, 39; House Sparrow, 824; Eastern Meadowlark, 91; Redwinged Blackbird, **227**; Common Grackle, **293**; Brown-headed Cowbird, 43; Cardinal, **448**; Purple Finch, 47; Am. Goldfinch, 143; Rufous-sided Towhee, 6; Savannah Sparrow, 1; Slate-colored Junco, 1109; Tree Sparrow, 192; Field Sparrow, 126; White-crowned Sparrow, 24; White-throated Sparrow, 1028; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 252. **Total,** 68 species; about 14,447 individuals. (Seen in area count period, but not on count day: Oldsquaw, Ring-billed Gull, Great Horned Owl.)—David Bridge, R. K. Burns, Gladys H. Cole, David H. Fales, John A. Fales, Helen Fessenden, Ronald Feller, A. D. Geis, B. C. Getchell, Douglas Hackman, Irving E. Hampe, Louis N. Locke, Seth H. Low (compiler), Tom Low, Mrs. G. C. Munro, Mrs. Harry B. Rauth, John W. Richards, Mrs. Chandler S. Robbins, Jane Robbins, Stewart Robbins, Betsy Schaffer, Ted Stiles, John S. Webb, John S. Weske.

200. Washington, D. C. (all points within a 15-mile diameter circle, center on Navy Annex Building since 1943).—Dec. 26; 6 a.m. to 9:30 p.m. Sunny a.m., cloudy p.m., rain in some areas; temp. 30° to 48°; wind SW, 0-12 m.p.h.; ground mostly snow-covered, water open only where current strong. Fifty-four observers in 25 parties plus 4 at feeding stations. Total party-hours, 131 (115 on foot, 16 by car); total party-miles, 189 (80 on foot, 109 by car). ► Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 9; Black-crowned Night Heron, 3; Canada Goose, 10; Mallard, 65; Black Duck, 373; Pintail, 375; Green-winged Teal, 78; Am. Widgeon, 110; Shoveler, 2; Ring-necked Duck, **18**; Canvasback, **66**; Greater Scaup, 500; Lesser Scaup, 700; scaup (sp.), 2045; Common Goldeneye, 1; Bufflehead, 62; Ruddy Duck, 2350; Common Merganser, 34; Red-breasted Merganser, 41; Turkey Vulture, 12; Black Vulture, 6; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 15; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 11; Bobwhite, 156; Killdeer, 72; Common Snipe, 11; **Dunlin, 12**; **Great Black-backed Gull,** 1; Herring Gull, 420; Ring-billed Gull, 3336; Bonaparte's Gull, 1; Mourning Dove, 282; Barn Owl, 1; Great Horned Owl, 3; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 39; Pileated Woodpecker, 7; Red-bellied Woodpecker, 64; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 8; Downy Woodpecker, 152; Horned Lark, 64 (**31 Northern**); Blue Jay, 419; Common Crow, **1974**; Fish Crow, **214**; Carolina Chickadee, 282; Tufted Titmouse, 245; White-breasted Nuthatch, 67; Brown Creeper, 14; Winter Wren, 9; Carolina Wren, 69; Long-billed Marsh Wren, 1; Mockingbird, 274; Catbird, **4**; Eastern Bluebird, 17; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 4; Cedar Waxwing, 7; Starling, 181,074 (roost); Myrtle Warbler, 19; House Sparrow, 489; Eastern Meadowlark, 21; Redwinged Blackbird, 1989; Rusty Blackbird, 17; Common Grackle, **240**; Brown-headed Cowbird, **742**; Cardinal, 585;

Evening Grosbeak, 1; Purple Finch, 104; Pine Siskin, 1; Am. Goldfinch, 213; Rufous-sided Towhee, 6; Savannah Sparrow, 4; Slate-colored Junco, 1312; Tree Sparrow, 16; Field Sparrow, 51; White-crowned Sparrow, 3; White-throated Sparrow, 718; Swamp Sparrow, 83; Song Sparrow, 899; **Snow Bunting, 6**. **Total,** 89 species (1 additional race); about 203,766 individuals. (Seen in area count period, but not on count day: **Snowy Owl**, Brown Thrasher.)—J. M. Abbott, K. Adkisson, V. Anderson, I. Ashby, T. M. Beers, T. M. Beers, Jr., R. Banvard, J. C. Boyd, S. A. Briggs, M. Coulter, J. H. Criswell, E. G. Davis, R. Davis, W. DelGrande, Mr. and Mrs. M. B. Donnald, D. Dreese, P. A. DuMont, P. G. DuMont, R. Farquhar, A. H. Fast, M. M. Gilbert, E. J. Hayward, W. Houston, P. Houston, D. F. Keeney, G. King, J. King, M. G. Lincoln, C. N. Mason, G. M. Meade, J. B. Meade, G. Merrick, M. L. Morgan, M. Miller, T. Miller, M. Ord, H. V. Reeves, Jr., Mr. and Mrs. W. A. Rothery, M. H. Ruch, E. Shaw, P. N. Shelton, H. Stabler, H. A. Sutton (compiler), J. Sysak, R. P. Teele, M. Teele, W. G. Thomas, R. Tousey, M. Van Nuys, F. Van Nuys, Jr., E. Williams, J. Winick.

201. Back Bay National Wildlife Refuge, Va. (all points within a 15-mile diameter circle, center 1½ miles east of Back Bay, including much of mainland of Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, open beach 5%, marshes and bay 45%).—Dec. 31; 4:30 a.m. to 5:30 p.m. Clear; temp. 23° to 50°; wind NE, 4-8 m.p.h.; ground bare, small bodies of water frozen early a.m. Twenty-one observers in 7 parties. Total party-hours, 70½ (48 on foot, 21 by car, 1½ by plane); total party-miles, 453 (28 on foot, 345 by car, 80 by plane). ► Red-throated Loon, 11; Horned Grebe, 45; Pied-billed Grebe, 12; Double-crested Cormorant, 2; Great Blue Heron, 6; **Cattle Egret, 1** (seen well—R.B., R.P.); Common Egret, 13; Black-crowned Night Heron, 1; Am. Bittern, 4; Whistling Swan, 14,400; Canada Goose, 19,000; Snow Goose, 11,400; Blue Goose, 5; Mallard, 1300; Black Duck, 2800; Gadwall, 75; Pintail, 3800; Green-winged Teal, 530; Am. Widgeon, 2700; Shoveler, 16; Wood Duck, 2; Ring-necked Duck, 63; Canvasback, 38; Lesser Scaup, 30; Bufflehead, 34; Surf Scoter, 143; Common Scoter, 5; Ruddy Duck, 120; Hooded Merganser, 132; Common Merganser, 21; Red-breasted Merganser, 6; Turkey Vulture, 32; Black Vulture, 48; Sharp-shinned Hawk, 2; Cooper's Hawk, 5; Red-tailed Hawk, 2; Red-shouldered Hawk, 18; Bald Eagle, 2; Marsh Hawk, 32; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 105; Bobwhite, 30; King Rail, 3; Virginia Rail, 5; Sora, 3; Common Gallinule, 5; Am. Coot, 2000; Killdeer, 10; Am. Woodcock, 4; Common Snipe, 42; Dunlin, 1; Sanderling, 27; **Iceland Gull,** 1 (all field marks—E.W.); Great Black-backed Gull, 17; Herring Gull, 1000; Ring-billed Gull, 1400; Bonaparte's Gull, 11; Mourning Dove, 692; Screech Owl, 3; Great Horned Owl, 6; Barred Owl, 3; **Long-eared Owl, 1** (P.S., E.W.); **Short-eared Owl, 1** (P.S.); Belted Kingfisher, 18; Yellow-shafted Flicker, 110; Pileated Woodpecker, 18; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 47; Eastern Phoebe, 1; Horned Lark, 75; Tree Swallow, 2; Blue Jay, 10; Common Crow, 458; Fish Crow, 42; Carolina Chickadee, 213; Tufted Titmouse, 102; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 57; Brown Creeper, 5; House Wren, 6; Winter Wren, 21; Carolina Wren, 77; Long-billed Marsh Wren, 11; Short-billed Marsh Wren, 13; Mockingbird, 81; Catbird, 28; Brown Thrasher, 17; Robin, 281; Hermit Thrush, 8; **Swainson's Thrush, 1** (seen well—R.P.); Eastern Bluebird, 26; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 15; Water Pipit, 176; Cedar Waxwing, 7; Loggerhead Shrike, 1; Starling, 2000; Orange-crowned Warbler, 2; Myrtle Warbler, 1283; Pine Warbler, 4; Yellowthroat, 9; Yellow-breasted Chat, 2; House Sparrow, 387; Eastern Meadowlark, 527; Redwinged Blackbird, 47,000; Rusty Blackbird, 1600; Boat-tailed Grackle, 19; Common Grackle, 10,000; Brown-headed Cowbird, 2300; Cardinal, 246; Purple Finch, 3; Pine Siskin, 1; Am. Goldfinch, 106; Rufous-sided Towhee, 154; Savannah Sparrow, 215; Sharp-tailed Sparrow, 2; Slate-colored Junco, 240; Tree Sparrow, 3; Chipping Sparrow, 13; Field Sparrow, 160; White-throated Sparrow, 834; Fox Sparrow, 27; Swamp Sparrow, 793; Song Sparrow, 535; Snow Bunting, 34. **Total,** 129 species; about 132,742 individuals. (Seen in area count period, but not on count day: **Fulvous Tree Duck**, Oldsquaw.) [Fulvous Tree Duck shot by hunter, third taken in Back Bay in 1960—Ed.]—Dr. and Mrs. W. G. Akers, J. E. Ames, S. E. Brenieser, R. L. Buck, Mrs. Floy C. Burford, J. M. Escriche, D. S. Gordon, Gisela Grimm, J. P. Hailman, F. S. Hespenheide, T. H. McDaniel, Mrs. M. F. Morrisette, R. H. Peake, Jr., F. C. Richardson, W. F. Rountrey, J. L. Sincock, P. W. Sykes, Jr. (compiler), R. Waterfield, E. G. Webster, Jr., C. S. Yelverton.

202. Big Flat Mountain, Va. (all points within a 15-mile diameter circle, center on Pasture Fence Mountain as in previous years; mostly in southern Shenandoah National Park).—Dec. 27; 6:45 a.m. to 5:15 p.m. Clear; temp. 15° to 42°; wind W, 20-30-1 m.p.h.; 2-5-in. snow, reservoir mostly frozen. One observer. Total hours, 10½; total miles, 18 (all on foot). ► Black Duck, 3; Turkey Vulture, 3; Red-tailed Hawk, 1; Ruffed Grouse, 17; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 8; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 13; Blue Jay, 4; Common Raven, 1; Common Crow, 7; Carolina Chickadee, 32; Tufted Titmouse, 9; White-breasted Nuthatch, 6; Brown Creeper, 6; Winter Wren, 3; Carolina Wren, 1; Mockingbird, 5; Golden-crowned Kinglet, 19; Starling, 453; Myrtle Warbler, 1; Cardinal, 4; Purple Finch, 14; Pine Siskin, 2; Am. Goldfinch, 10; **Red Crossbill, 9**; Slate-colored Junco, 110; Tree Sparrow, 1; Field Sparrow, 28; White-throated Sparrow, 25; Song Sparrow, 17. **Total,** 34 species; about 827 individuals.—Charles E. Stevens.

203. Blacksburg, Va. (all points within a 15-mile diameter circle, center Linkous' Store as last

year; pasture and plowed land 20%, town and suburbs 10%, virgin White Oak woodlots 20%, mixed pine and oak woods 20%, river and creek bottoms 30%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Cloudy, clearing 11 a.m.; temp. 32° to 40°; wind NW, 0-30 m.p.h.; ground bare on warm slopes, snow on cold slopes, ponds frozen, streams partly frozen. Eleven observers in 5 parties. Total party-hours, 42 (38 on foot, 4 by car); total party-miles, 123 (39 on foot, 84 by car). ► Mallard, 102; Black Duck, 7; Pintail, 2; Am. Widgeon, 41; Ring-necked Duck, 16; Canvasback, 2; Lesser Scaup, 111; Common Goldeneye, 20; Bufflehead, 118; Hooded Merganser, 37; Turkey Vulture, 4; Black Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Sparrow Hawk, 5; Ruffed Grouse, 9; Bobwhite, 58; **Turkey, 1**; Am. Coot, 1; Killdeer, 7; Common Snipe, 6; Mourning Dove, 64; Yellow-shafted Flicker, 4; Pileated Woodpecker, 5; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 46; Horned Lark, 137; Blue Jay, 60; Common Raven, 1; Common Crow, 536; Carolina Chickadee, 37; Tufted Titmouse, 73; White-breasted Nuthatch, 33; Brown Creeper, 6; Winter Wren, 4; Carolina Wren, 9; Mockingbird, 22; Hermit Thrush, 1; Golden-crowned Kinglet, 10; Cedar Waxwing, 4; Starling, 1504; Myrtle Warbler, 4; House Sparrow, 238; Eastern Meadowlark, 28; Brown-headed Cowbird, 50; Cardinal, 147; Purple Finch, 23; Am. Goldfinch, 77; Rufous-sided Towhee, 6; Slate-colored Junco, 319; Tree Sparrow, 10; Field Sparrow, 32; White-crowned Sparrow, 131; White-throated Sparrow, 39; Song Sparrow, 81. **Total,** 59 species; about 4334 individuals. (Seen in area count period, but not on count day: Robin, Ruby-crowned Kinglet, Loggerhead Shrike.)—Richard V. Dietrich, Maynard G. Hale, C. O. Handley, Charles O. Handley, Jr., Burd S. McGinnes, Henry S. Mesby, John W. Murray (compiler), Curtis W. Roane, Ellison A. Smyth, Mrs. Ellison A. Smyth, Richard C. Thompson.

204. Brooke, Va. (all points within a 15-mile diameter circle, center on road 3 miles ESE of Brooke, including Potomac River from Widewater to Maryland Point Lighthouse, and Virginia upland nearly to Fredericksburg; tidal water 16%, marsh 4%, swamp 4%, fields 17%, hedgerows 6%, mixed forest edge 10%, deciduous woods 33%, pine woods 6%, slash 4%).—Jan. 2; 6 a.m. to 5 p.m. Clear, some haze p.m.; temp. 22° to 40°; no wind; old crusted snow widespread, bays largely frozen, much floating ice in Potomac. Thirteen observers in 8 parties. Total party-hours, 63 (60 on foot, 3 by car); total party-miles, 76 (42 on foot, 34 by car). ► Common Loon, 1; Horned Grebe, 2; Great Blue Heron, 12; Whistling Swan, 30; Canada Goose, 75; Mallard, 25; Black Duck, 280; Pintail, 2; Am. Widgeon, 5; **Shoveler, 2**; Canvasback, 6; Lesser Scaup, 7; Common Goldeneye, 17; Bufflehead, 70; Ruddy Duck, 240; Hooded Merganser, 2; Common Merganser, 2500; Red-breasted Merganser, 100; Turkey Vulture, 15; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 10; Sparrow Hawk, 4; Bobwhite, 115; **Turkey, 4**; Killdeer, 1; Great Black-backed Gull, 20; Herring Gull, 1500; Ring-billed Gull, 500; Mourning Dove, 65; Great Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 53; Pileated Woodpecker, 16; Red-bellied Woodpecker, 70; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 70; Horned Lark, 3; Blue Jay, 210; Common Crow, 300; Fish Crow, 3; Carolina Chickadee, 130; Tufted Titmouse, 140; White-breasted Nuthatch, 5; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 23; Mockingbird, 70; **Catbird, 2**; Brown Thrasher, 2; Robin, 4; Hermit Thrush, 3; Eastern Bluebird, 9; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 5; Water Pipit, 1; Cedar Waxwing, 50; Loggerhead Shrike, 3; Starling, 1100; Myrtle Warbler, 75; House Sparrow, 120; Eastern Meadowlark, 42; Redwinged Blackbird, 700; Rusty Blackbird, 10; Common Grackle, 500; Brown-headed Cowbird, 30; Cardinal, 200; Purple Finch, 35; Am. Goldfinch, 60; Rufous-sided Towhee, 19; Savannah Sparrow, 2; Slate-colored Junco, 230; Tree Sparrow, 15; Field Sparrow, 60; White-throated Sparrow, 350; Swamp Sparrow, 3; Song Sparrow, 160. **Total,** 82 species; about 10,559 individuals.—C. A. Anderson, Roy A. Bailey, A. A. Baker, Henry Bell III, John H. Eric, Warren Hobbs, Luna B. Leopold, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey, Robert L. Smith, Amos M. White, Donald R. Wiesnet.

205. Charlottesville, Va. (all points within a 15-mile diameter circle, center near Ivy; about same area and habitats as in previous years).—Dec. 29; 7 a.m. to 5 p.m. Cloudy a.m., rain p.m.; temp. 28° to 38°; wind negligible; 1-3-in. snow in most places, ponds mostly or entirely frozen over. Seven observers in 5 parties. Total party-hours, 38 (37 on foot, 1 by car); total party-miles, 122 (46 on foot, 76 by car). ► Canada Goose, 56 (most or all feral); Mallard, 42; Black Duck, 26; Turkey Vulture, 8; Black Vulture, 3; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 8; Bobwhite, 59; Mourning Dove, 678; Belted Kingfisher, 5; Yellow-shafted Flicker, 22; Pileated Woodpecker, 15; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 46; Horned Lark, 106; Blue Jay, 126; Common Crow, 625; Fish Crow, 27; Carolina Chickadee, 152; Tufted Titmouse, 80; White-breasted Nuthatch, 18; Brown Creeper, 24; Winter Wren, 5; Carolina Wren, 19; Mockingbird, 68; **Brown Thrasher, 2**; Robin, 4; Hermit Thrush, 2; Golden-crowned Kinglet, 134; Ruby-crowned Kinglet, 6; Cedar Waxwing, 5; Loggerhead Shrike, 3; Starling, 14,310; Myrtle Warbler, 20; House Sparrow, 38; Eastern Meadowlark, 103; Redwinged Blackbird, 216; Rusty Blackbird, 50; Common Grackle, 244; Brown-headed Cowbird, 16; Cardinal, 549; Purple Finch, 22; Am. Goldfinch, 21; Rufous-sided Towhee, 2; Slate-colored Junco, 828; Tree Sparrow, 23; Field Sparrow, 249; White-crowned Sparrow, 25; White-throated Sparrow, 470; Fox Sparrow, 11; Swamp Sparrow, 9; Song Sparrow, 293. **Total,** 58

species; about 19,944 individuals.—Steve Calver, Steve Fretwell, Mrs. C. O. Gregory, Henry Hespenheide, Kenneth Lawless, Robert S. Merkel, Charles E. Stevens (compiler).

206. Chincoteague National Wildlife Refuge, Va. (all points within a 15-mile diameter circle, center 2 miles north of center of Chincoteague as in previous 6 years; open farmland 8%, insular pine woodland 20%, mainland pine and mixed woodland 12%, low pine and myrtle 4%, fresh-water marshes and impoundments 18%, salt marshes 23%, sheltered bays 7%, dunes 3%, mud and sand flats 1%, ocean beach 4%).—Dec. 27; 6 a.m. to 6 p.m. Clear; temp. 38° to 45°; wind NNW, 10-15 m.p.h.; ground bare, fresh water and marshes partially frozen. Twenty observers in 7 parties. Total party-hours, 56 (42 on foot, 9 by car, 5 by motorboat); total party-miles, 183 (40 on foot, 124 by car, 19 by boat). ► Common Loon, 37; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 218; Pied-billed Grebe, 38; Great Blue Heron, 57; Little Blue Heron, 6; Common Egret, 7; **Snowy Egret, 1**; Louisiana Heron, **18**; Black-crowned Night Heron, 23; Am. Bittern, 7; Whistling Swan, 179; Canada Goose, 517; Brant, 8800; Snow Goose, 1900; Blue Goose, 3; Mallard, 1240; Black Duck, 4230; Gadwall, 206; Pintail, 945; Green-winged Teal, 64; Blue-winged Teal, **9**; Am. Widgeon, 1600; Shoveler, 214; Ring-necked Duck, 1; Canvasback, 1350; Greater Scaup, 4; Common Goldeneye, 95; Bufflehead, 133; Oldsquaw, 215; White-winged Scoter, 167; Surf Scoter, 653; Common Scoter, 471; scoter (sp.), 100; Ruddy Duck, 45; Hooded Merganser, 69; Red-breasted Merganser, 13; Turkey Vulture, 106; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 34; Sparrow Hawk, 22; Bobwhite, 10; Clapper Rail, 12; Virginia Rail, 3; **Common Gallinule, 15**; Am. Coot, 40; Am. Oystercatcher, 5; Killdeer, 12; Black-bellied Plover, 270; Ruddy Turnstone, 3; Am. Woodcock, 2; Common Snipe, 8; **Willet, 4**; Greater Yellowlegs, 12; Lesser Yellowlegs, 1; Least Sandpiper, 12; Dunlin, 2360; dowitcher (sp.), 3; Semipalmated Sandpiper, 86; Sanderling, 645; Great Black-backed Gull, 64; Herring Gull, 2550; Ring-billed Gull, 392; Laughing Gull, 1; Bonaparte's Gull, 2; Mourning Dove, 138; Barn Owl, 1; Screech Owl, 3; Great Horned Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 14; Yellow-shafted Flicker, 85; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 27; Horned Lark, 8; Tree Swallow, 9; Common Crow, 2200; Fish Crow, 640; Carolina Chickadee, 42; Tufted Titmouse, 12; Brown-headed Nuthatch, 41; Brown Creeper, 4; Winter Wren, 6; Carolina Wren, 16; Short-billed Marsh Wren, 2; Mockingbird, 6; Catbird, 8; Brown Thrasher, 2; Robin, 74; Hermit Thrush, 4; Eastern Bluebird, 8; Golden-crowned Kinglet, 32; Cedar Waxwing, 4; Starling, 1375; Myrtle Warbler, 1380; Pine Warbler, 1; Palm Warbler, 1 (Yellow); House Sparrow, 122; Eastern Meadowlark, 427; Redwinged Blackbird, 1108; Rusty Blackbird, 26; Boat-tailed Grackle, 681; Common Grackle, 141; Brown-headed Cowbird, 48; Cardinal, 94; Am. Goldfinch, 38; Rufous-sided Towhee, 51; Savannah Sparrow, 109; Sharp-tailed Sparrow, 27; Seaside Sparrow, 14; Slate-colored Junco, 103; Tree Sparrow, 4; Field Sparrow, 40; White-throated Sparrow, 270; Fox Sparrow, 9; Swamp Sparrow, 70; Song Sparrow, 189. **Total,** 124 species; about 40,050 individuals.—J. M. Abbott, R. M. McClung, P. A. DuMont, P. G. DuMont, L. C. Goldman, O. D. Justice, T. W. Martin, G. M. Meade, J. B. Meade, P. B. Pyle, Mr. and Mrs. R. L. Pyle, Peter Rosenbaum, F. R. Scott (compiler), Napier Shelton, J. W. Terborgh, Karl Weber, A. E. Weinrich, J. S. Weske, H. L. Wessells, Jr.

207. Fort Belvoir, Va. (all points within a 15-mile diameter circle, center on Lebanon; tidal water 30%, deciduous woods 25%, pine woods 15%, pasture 10%, open fields 10%, town suburbs 5%, cattail marsh 5%).—Jan. 2; 5:30 a.m. to 4:30 p.m. Clear; temp. 29° to 40°; no wind; inlets and marshes partly frozen, ground partly snow-covered. Twenty-nine observers in 9 parties. Total party-hours, 77 (59 on foot, 18 by car); total party-miles, 241 (55 on foot, 186 by car). ► Horned Grebe, 4; Pied-billed Grebe, 2; Great Blue Heron, 6; Canada Goose, 50; Mallard, 11; Black Duck, 173; Am. Widgeon, 14; Ring-necked Duck, 19; Canvasback, 42; Greater Scaup, 530; Lesser Scaup, 330; Common Goldeneye, 14; Bufflehead, 92; Ruddy Duck, 851; Hooded Merganser, 1; Common Merganser, 31; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 21; Red-shouldered Hawk, 11; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 3; Sparrow Hawk, 11; Bobwhite, 135; Killdeer, 4; Herring Gull, 717; Ring-billed Gull, 541; Mourning Dove, 235; Screech Owl, 1; Great Horned Owl, 6; Barred Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 47; Pileated Woodpecker, 7; Red-bellied Woodpecker, 57; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 11; Downy Woodpecker, 100; Horned Lark, 6; Blue Jay, 404; Common Crow, 367; Fish Crow, 26; Black-capped Chickadee, 12; Carolina Chickadee, 195; Tufted Titmouse, 160; White-breasted Nuthatch, 35; Brown Creeper, 22; Winter Wren, 3; Carolina Wren, 56; Long-billed Marsh Wren, 1; Mockingbird, 150; Catbird, 1; **Brown Thrasher, 2**; Robin, 15; Hermit Thrush, 3; Golden-crowned Kinglet, 92; Ruby-crowned Kinglet, 4; Cedar Waxwing, 59; Starling, 3137; Myrtle Warbler, 108; House Sparrow, 252; Eastern Meadowlark, 31; Redwinged Blackbird, 470; Rusty Blackbird, 28; Common Grackle, 70; Brown-headed Cowbird, 88; Cardinal, 266; Purple Finch, 71; Pine Siskin, 3; Am. Goldfinch, 121; Rufous-sided Towhee, 7; Savannah Sparrow, 3; Slate-colored Junco, 525; Tree Sparrow, 29; Field Sparrow, 213; White-crowned Sparrow, 14; White-throated Sparrow, 334; Swamp Sparrow, 8; Song Sparrow, 126. **Total,** 82 species; about 11,624 individuals. (Seen in area count period, but not on count day: Turkey, Snow Bunting.)—J. M. Abbott (compiler), R. Banvard, Louise Berry, Dr. and Mrs. E. G. Davis, Morgan Gilbert, Helen Goldstick, Ed Hayward, William Houston, Pauline Houston, Lee Johnson, Joe King, Peter King, Gordon Merrick, Lois Morgan,

Mike Ord, Robert Pyle, Peter Pyle, Mr. and Mrs. Willard Rothery, Ruth Strosnider, Harriet Sutton, Mr. and Mrs. Ray Teele, Karl Trever, G. F. Trowbridge, Ricky Trowbridge.

208. Glade Spring, Va. (all points within a 15-mile diameter circle, center at junction of secondary roads 609 and 750; farmland and pastures 40%, deciduous woods 30%, mixed pine and deciduous woods 20%, riverbottoms 8%, marsh and ponds 2%).—Dec. 26; 7 a.m. to 5 p.m. Light rain; temp. 27° to 38°; wind SW, 0-5 m.p.h.; ground bare, ponds mostly frozen. Three observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 65 (6 on foot, 59 by car). ► Mallard, 150; Black Duck, 4; Green-winged Teal, 2; Sparrow Hawk, 4; Bobwhite, 15; Am. Coot, 11; Killdeer, 3; Common Snipe, 1; Mourning Dove, 4; Screech Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 9; Blue Jay, 27; Common Crow, 37; Carolina Chickadee, 12; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 5; Mockingbird, 9; Golden-crowned Kinglet, 3; Cedar Waxwing, 40; Starling, 1025; House Sparrow, 114; Eastern Meadowlark, 11; Common Grackle, 300; Brown-headed Cowbird, 20; Cardinal, 23; Am. Goldfinch, 3; Rufous-sided Towhee, 8; Slate-colored Junco, 42; Field Sparrow, 26; White-crowned Sparrow, 23; White-throated Sparrow, 25; Song Sparrow, 40. **Total,** 39 species; about 2025 individuals. (Seen in area count period, but not on count day: Redhead, Turkey Vulture, Cooper's Hawk, Peregrine Falcon, Ruffed Grouse, Bewick's Wren, Loggerhead Shrike, Evening Grosbeak.)—Ben B. Dulaney, Paul S. Dulaney (compiler), Jane D. White.

209. Hopewell, Va. (all points within a 15-mile diameter circle, center in Curles Neck as in last 6 years; includes Presquile National Wildlife Refuge; open farmland 30%, brushy fields 10%, marshes and river shore 10%, deciduous wooded swamp 15%, woodland 35%).—Jan. 2; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 24° to 47°; wind NNE, 2-10 m.p.h.; ground bare, lakes partially frozen. Eight observers in 3 parties. Total party-hours, 20 (14 on foot, 4 by car, 2 by boat); total party-miles, 172 (7 on foot, 156 by car, 9 by boat). ► Great Blue Heron, 20; Canada Goose, 8000; Snow Goose, 24; Blue Goose, 67; Mallard, 1500; Black Duck, 1200; Pintail, 400; Wood Duck, 250; Common Merganser, 36; Turkey Vulture, 67; Black Vulture, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 3; Marsh Hawk, 4; Sparrow Hawk, 5; Bobwhite, 5; Killdeer, 14; Herring Gull, 39; Ring-billed Gull, 1570; Mourning Dove, 144; Belted Kingfisher, 3; Yellow-shafted Flicker, 31; Pileated Woodpecker, 5; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 29; Horned Lark, 76; Blue Jay, 75; Common Crow, 151; Carolina Chickadee, 41; Tufted Titmouse, 33; White-breasted Nuthatch, 19; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 26; Brown Thrasher, 3; Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Loggerhead Shrike, 7; Starling, 1035; Myrtle Warbler, 5; Pine Warbler, 1; House Sparrow, 173; Eastern Meadowlark, 50; Redwinged Blackbird, 660; Common Grackle, 500; Brown-headed Cowbird, 500; Cardinal, 99; Purple Finch, 2; Am. Goldfinch, 11; Rufous-sided Towhee, 16; Savannah Sparrow, 2; Slate-colored Junco, 219; Field Sparrow, 9; White-throated Sparrow, 246; Fox Sparrow, 6; Swamp Sparrow, 6; Song Sparrow, 62. **Total,** 66 species; about 17,541 individuals.—Cleo Allen, H. L. Frazier, W. C. Good, Mr. and Mrs. G. H. Harrison, J. S. Lovering, F. R. Scott (compiler), Mary Tompkins.

210. Lexington, Va. (all points within a 15-mile diameter circle, center Washington and Lee University; pasture and open farmland 35%, deciduous 20%, cedar and pine 30%, scrub 10%, town 5%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 40° to 36°; wind NW, 0-5 m.p.h.; ground covered with old snow, streams and ponds frozen. Six observers in 3 parties. Total party-hours, 30 (26 on foot, 4 by car); total party-miles, 113 (23 on foot, 90 by car). ► Mallard, 76; Black Duck, 1; Turkey Vulture, 42; Black Vulture, 4; Red-tailed Hawk, 3; Sparrow Hawk, 5; Ruffed Grouse, 2; Bobwhite, 14; Killdeer, 5; Common Snipe, 4; Mourning Dove, 73; Screech Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 9; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 9; Downy Woodpecker, 22; Eastern Phoebe, 1; Horned Lark, 62; Blue Jay, 40; Common Raven, 3; Common Crow, 225; Black-capped Chickadee, 1; Carolina Chickadee, 29; Tufted Titmouse, 42; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 9; Mockingbird, 56; Robin, 12; Golden-crowned Kinglet, 15; Loggerhead Shrike, 4; Starling, 2146; Myrtle Warbler, 13; **Pine Warbler,** 1; House Sparrow, 272; Eastern Meadowlark, 14; Rusty Blackbird, 13; Cardinal, 176; Evening Grosbeak, 4; Purple Finch, 58; Am. Goldfinch, 2; Slate-colored Junco, 254; Tree Sparrow, 6; Field Sparrow, 17; White-crowned Sparrow, 18; White-throated Sparrow, 64; Fox Sparrow, 3; Song Sparrow, 31. **Total,** 52 species; about 3894 individuals. (Seen in area count period, but not on count day: Blue Goose.)—Cook Anderson, R. P. Carroll, R. P. Carroll, Jr., Walter Foulke, J. J. Murray (compiler), Robert Stewart.

211. Little Creek, Va. (all points within a 15-mile diameter circle, center 1½ miles NE of Kempsville, including Lynnhaven Inlet, Little Creek, eastern portion of Norfolk City, Stumpy Lake; open farmland 25%, pine woodland 10%, deciduous woodland 45%, salt marsh, sand beach, bay, rivers 10%, suburbs 10%).—Jan. 2; 5:30 a.m. to 5 p.m. Clear; temp. 34° to 46°; wind NE, 5-15 m.p.h.; ground bare, water open. Thirteen observers in 5 parties. Total party-hours, 45 (28 on foot, 15 by car, 2 by boat); total party-miles, 328 (17 on foot, 310 by car, 1 by boat). ► Common Loon, 5; Red-throated Loon, 34; Horned

Grebe, 109; Pied-billed Grebe, 16; Gannet, 1; Double-crested Cormorant, 2; Great Blue Heron, 19; Common Egret, 39; **Louisiana Heron, 1** (H.H., P.S.); Black-crowned Night Heron, 3; **Yellow-crowned Night Heron, 1** (W.R.); Snow Goose, 43; Mallard, 15; Black Duck, 46; Gadwall, 2; Pintail, 3; Am. Widgeon, 64; Wood Duck, 32; Redhead, 2; Ring-necked Duck, 324; Canvasback, 56; Greater Scaup, 12; Common Goldeneye, 105; Bufflehead, 42; Oldsquaw, 21; White-winged Scoter, 8; Surf Scoter, 133; Common Scoter, 11; Ruddy Duck, 46; Hooded Merganser, 165; Common Merganser, 8; Red-breasted Merganser, 106; Turkey Vulture, 10; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 9; Red-shouldered Hawk, 7; Bald Eagle, 1; Marsh Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 65; Bobwhite, 57; King Rail, 2; Clapper Rail, 12; Am. Coot, 1; Killdeer, 39; Black-bellied Plover, 11; Common Snipe, 11; Dunlin, 5; Sanderling, 119; Great Black-backed Gull, 25; Herring Gull, 5100; Ring-billed Gull, 4450; Bonaparte's Gull, 69; Forster's Tern, 71; Mourning Dove, 346; Screech Owl, 3; Barred Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 113; Pileated Woodpecker, 10; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 81; Blue Jay, 7; Common Crow, 384; Fish Crow, 12; Carolina Chickadee, 106; Tufted Titmouse, 101; Brown-headed Nuthatch, 4; Brown Creeper, 5; House Wren, 1; Winter Wren, 9; Carolina Wren, 94; Long-billed Marsh Wren, 7; Mockingbird, 102; Catbird, 1; Brown Thrasher, 27; Robin, 515; Hermit Thrush, 5; Eastern Bluebird, 6; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 10; Water Pipit, 103; Cedar Waxwing, 37; Loggerhead Shrike, 4; Starling, 3800; Myrtle Warbler, 235; Pine Warbler, 5; Palm Warbler, 1; House Sparrow, 400; Eastern Meadowlark, 495; Redwinged Blackbird, 13,400; Rusty Blackbird, 14; Common Grackle, 5200; Brown-headed Cowbird, 354; Cardinal, 167; **Blue Grosbeak, 1** (at feeder, all field marks—H.H., P.S.); Purple Finch, 4; Am. Goldfinch, 16; Rufous-sided Towhee, 129; Savannah Sparrow, 146; Sharp-tailed Sparrow, 72; Seaside Sparrow, 15; Slate-colored Junco, 249; Chipping Sparrow, 6; Field Sparrow, 201; **White-crowned Sparrow, 3** (F.B. party); White-throated Sparrow, 427; Fox Sparrow, 45; Swamp Sparrow, 209; Song Sparrow, 320. **Total,** 116 species; about 39,649 individuals. (Seen in area count period, but not on count day: Barn Owl, **Baltimore Oriole.**) —W. G. Akers, C. C. Barefield, R. L. Buck, Mrs. Floy C. Burford, Mrs. L. Forest, Gisela Grimm, J. P. Hailman, F. S. Hespenheide, H. A. Hespenheide, Mrs. M. F. Morrisette, F. C. Richardson, W. F. Rountrey, P. W. Sykes, Jr. (compiler).

212. Lynchburg, Va. (all points within a 15-mile diameter circle, center 0.9 miles south of Lynchburg College, including Old Rivermount Park, Riverside Park, Six Mile, Preston Glenn Airport, Timberlake, Tomahawk, Wiltshire Farm; deciduous woods 65%, pine woods 5%, fields 10%, pasture 5%, river 5%, lake 5%, swamp 5%).—Dec. 21; 7 a.m. to 5 p.m. Overcast a.m., clear p.m.; temp. 28° to 35°; wind variable, 0-5 m.p.h.; ground frozen, lakes and streams partially frozen. Twelve observers in 3 parties. Total party-hours, 27 (23 on foot, 4 by car); total party-miles, 71 (17 on foot, 54 by car). ► Mallard, 10; Am. Widgeon, 1; Common Goldeneye, 2; Turkey Vulture, 23; Black Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 2; Bobwhite, 40; Common Snipe, 2; Mourning Dove, 142; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Pileated Woodpecker, 3; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 35; Horned Lark, 24; Blue Jay, 99; Common Crow, 115; Carolina Chickadee, 69; Tufted Titmouse, 35; White-breasted Nuthatch, 25; Brown Creeper, 1; Winter Wren, 8; Carolina Wren, 27; Mockingbird, 39; Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 1; Starling, 3808; Myrtle Warbler, 8; House Sparrow, 81; Eastern Meadowlark, 4; Redwinged Blackbird, 203; Rusty Blackbird, 10; Common Grackle, 11; Brown-headed Cowbird, 4; Cardinal, 124; Purple Finch, 17; Pine Siskin, 6; Am. Goldfinch, 28; Rufous-sided Towhee, 12; Slate-colored Junco, 173; Field Sparrow, 39; White-crowned Sparrow, 10; White-throated Sparrow, 177; Fox Sparrow, 5; Swamp Sparrow, 4; Song Sparrow, 44. **Total,** 56 species; about 5537 individuals.—J. L. Chamberlain, Larry Farmer, David Freer, Ruskin S. Freer, Kay MacDonald, Myriam P. Moore, Gertrude Prior, Chip Thornhill, M. B. Tillotson, Grace T. Wiltshire (compiler), J. W. Wiltshire, Jr., John Withrow.

213. McDowell, Va. (all points within a 15-mile diameter circle, center near McDowell, including Bullpasture River, Bullpasture Mountain, Cowpasture River; 1900-2900 ft. altitude; open riverbottom farmland 60%, deciduous woodland 20%, mixed woodland 15%, hemlock groves 5%).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 18° to 28°; wind W, 0-15 m.p.h.; 3-6-in. snow, rivers mostly frozen. One observer. Total hours, 10 (on foot); total miles, 21 (on foot). ► Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 11 (6 reported by hunter); Bobwhite, 7; Turkey, 1 (reported by hunter); Belted Kingfisher, 2; Pileated Woodpecker, 9; Red-bellied Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 16; Horned Lark, 2; Blue Jay, 4; Common Raven, 1; Common Crow, 334; Black-capped Chickadee, 9; Tufted Titmouse, 13; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 6; Mockingbird, 1; Golden-crowned Kinglet, 11; Loggerhead Shrike, 2; Starling, 91; House Sparrow, 12; Rusty Blackbird, 1; Cardinal, 26; Pine Siskin, 1; Am. Goldfinch, 6; Slate-colored Junco, 60; Tree Sparrow, 51; Field Sparrow, 11; White-throated Sparrow, 10; Song Sparrow, 7. **Total,** 37 species; about 730 individuals.—Charles E. Stevens.

214. Nansemond River, Va. (all points within a 15-mile diameter circle, center 1½ miles NE of Driver, including Craney Island disposal area, Nansemond River, Chuckatuck Creek, Chuckatuck; open

farmland 30%, pine woodland 10%, deciduous woodland 20%, marsh, beach, rivers, bay 40%).—Dec. 26; 6 a.m. to 5:30 p.m. Clear; temp. 33° to 59°; wind SW, 11-13 m.p.h.; ground bare, small bodies of water frozen. Eleven observers in 5 parties. Total party-hours, 45 (33 on foot, 12 by car); total party-miles, 292 (15 on foot, 277 by car). ► Common Loon, 1; Horned Grebe, 58; Pied-billed Grebe, 10; Double-crested Cormorant, 39; Great Blue Heron, 47; Common Egret, 3; Canada Goose, 800; Mallard, 31; Black Duck, 542; Gadwall, 191; Pintail, 561; Green-winged Teal, 73; Blue-winged Teal, 1; Am. Widgeon, 1360; Shoveler, 34; Redhead, 10; Ring-necked Duck, 172; Canvasback, 3300; Greater Scaup, 28; Lesser Scaup, 11; Common Goldeneye, 88; Bufflehead, 158; Oldsquaw, 24; Common Scoter, 2; Ruddy Duck, 2800; Hooded Merganser, 24; Common Merganser, 1; Red-breasted Merganser, 86; Turkey Vulture, 87; Black Vulture, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 5; Bald Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 48; Bobwhite, 21; Clapper Rail, 4; Am. Coot, 25; Killdeer, 69; Black-bellied Plover, 78; **Ruddy Turnstone, 3** (S.F., E.W.); Common Snipe, 1; Purple Sandpiper, 7; Dunlin, 33; Semipalmated Sandpiper, 4; Sanderling, 191; Great Black-backed Gull, 54; Herring Gull, 8200; Ring-billed Gull, 2700; Bonaparte's Gull, 172; Forster's Tern, 1; **Black Skimmer, 9** (F.R., W.R.); Mourning Dove, 376; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 68; Red-bellied Woodpecker, 26; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 13; Blue Jay, 37; Common Crow, 1300; Fish Crow, 2400; Carolina Chickadee, 22; Tufted Titmouse, 16; House Wren, 3; Winter Wren, 1; Carolina Wren, 41; Mockingbird, 53; Catbird, 1; Brown Thrasher, 8; Robin, 199; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 3; Water Pipit, 118; Cedar Waxwing, 6; Loggerhead Shrike, 5; Starling, 1550; Myrtle Warbler, 167; Pine Warbler, 1; Palm Warbler, 1; Yellow-throat, 1; House Sparrow, 210; Eastern Meadowlark, 266; Redwinged Blackbird, 2400; Rusty Blackbird, 10; Common Grackle, 2; Brown-headed Cowbird, 350; Cardinal, 91; Purple Finch, 3; Am. Goldfinch, 64; Rufous-sided Towhee, 50; Savannah Sparrow, 59; Slate-colored Junco, 83; Field Sparrow, 100; White-throated Sparrow, 287; Fox Sparrow, 11; Swamp Sparrow, 87; Song Sparrow, 133; Snow Bunting, 60 (now annually). **Total,** 103 species; about 32,906 individuals. (Seen in area count period, but not on count day: Red-necked Grebe, Western Sandpiper.)—J. S. Calver, Mrs. C. W. Darden, J. M. Escriche, S. D. Fretwell, D. S. Gordon, H. A. Hespenheide, F. C. Richardson, W. F. Rountrey, M. E. Stephens, P. W. Sykes, Jr. (compiler), E. G. Webster, Jr. (Cape Henry Bird Club and guest).

215. Newport News, Va. (all points within a 15-mile diameter circle, bounded by Chesapeake Bay, Hampton Roads, James River, Grafton; woodland 30%, open fields 30%, fresh-water ponds 10%, waterfront 30%).—Dec. 26; 7 a.m. to 4 p.m. Clear; temp. 34° to 50°; wind SW, 10-20 m.p.h.; ground bare, water open. Fourteen observers in 6 parties. Total party-hours, 50 (28 on foot, 22 by car); total party-miles, 270 (42 on foot, 228 by car). ► Common Loon, 1; Horned Grebe, 134; Pied-billed Grebe, 2; Great Blue Heron, 8; Canada Goose, 16; Mallard, 24; Black Duck, 15; Pintail, 3; Green-winged Teal, 28; Am. Widgeon, 937; Ring-necked Duck, 26; Canvasback, 349; Lesser Scaup, 75; Common Goldeneye, 49; Bufflehead, 54; Oldsquaw, 101; Surf Scoter, 385; Common Scoter, 50; Ruddy Duck, 227; Hooded Merganser, 8; Common Merganser, 9; Red-breasted Merganser, 51; Turkey Vulture, 14; Black Vulture, 7; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 8; **Pigeon Hawk, 1**; Sparrow Hawk, 27; Bobwhite, 57; Clapper Rail, 8; Am. Coot, 1; Killdeer, 150; Black-bellied Plover, 6; Am. Woodcock, 1; Common Snipe, 4; **Spotted Sandpiper, 1** (seen well—J.P.); Dunlin, 280; Semipalmated Sandpiper, 3; Sanderling, 86; Great Black-backed Gull, 23; Herring Gull, 3372; Ring-billed Gull, 581; Laughing Gull, 4; Bonaparte's Gull, 200; Forster's Tern, 1; Mourning Dove, 55; **Short-eared Owl, 1**; Belted Kingfisher, 6; Yellow-shafted Flicker, 42; Pileated Woodpecker, 4; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 17; Eastern Phoebe, 1; Horned Lark, 2; Blue Jay, 27; Common Crow, 355; Fish Crow, 2; Carolina Chickadee, 41; Tufted Titmouse, 65; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 3; Brown Creeper, 2; **House Wren, 1**; Carolina Wren, 30; Short-billed Marsh Wren, 2; Mockingbird, 88; Brown Thrasher, 5; Robin, 4; Eastern Bluebird, 5; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 6; Starling, 2191; Myrtle Warbler, 198; Pine Warbler, 1; Palm Warbler, 1; House Sparrow, 656; Eastern Meadowlark, 305; Redwinged Blackbird, 263; **Orchard Oriole, 1** (adult male at 20 ft.—D. and W.S.); Baltimore Oriole, 4; Common Grackle, 22; Brown-headed Cowbird, 1; Cardinal, 107; Purple Finch, 2; Am. Goldfinch, 25; Rufous-sided Towhee, 35; Savannah Sparrow, 14; Vesper Sparrow, **12**; Slate-colored Junco, 242; Field Sparrow, 32; White-throated Sparrow, 306; Fox Sparrow, 27; Song Sparrow, 145; Snow Bunting, 78. **Total,** 100 species; about 12,857 individuals.—Frances Cumming, Georgianna Cumming, John Grey, Carl Hacker, Charles Hacker, Emmy Lou Machen, Dorothy Mitchell, Mike Mitchell, John Pond, Doris Smith, W. P. Smith (compiler), W. P. Smith, Jr., Pembroke Thomas, John D. Williams (Hampton Roads Bird Club).

216. Norfolk County, Va. (all points within a 15-mile diameter circle, center 6½ miles NE of Wallaceton, including eastern edge of Dismal Swamp, western part of Northwest River, Great Bridge, Butts Station, Fentress, Deep Creek; open farmland 30%, wooded swampland 24%, mixed woodland 30%, deciduous woodland 5%, pine woodland 10%, marsh 1%).— Dec. 28; 5:30 a.m. to 5:30 p.m. Clear; temp. 32° to 36°; wind NE, 11-14 m.p.h.; ground bare, small bodies of water frozen. Nine observers in 4 parties. Total party-hours, 39 (29 on foot, 10 by car); total party-miles, 311 (17 on foot, 294 by car). ► Pied-billed Grebe, 10; Double-crested Cormorant, 1;

Great Blue Heron, 1; Common Egret, 1; Am. Bittern, 1; Canada Goose, 21; Mallard, 4; Black Duck, 26; Pintail, 15; Green-winged Teal, 8; Blue-winged Teal, 2; Am. Widgeon, 1; Hooded Merganser, 15; Turkey Vulture, 38; Black Vulture, 46; Cooper's Hawk, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 14; Marsh Hawk, 20; Pigeon Hawk, 1; Sparrow Hawk, 63; Bobwhite, 92; King Rail, 1; Clapper Rail, 2; Virginia Rail, 1; Killdeer, 24; Am. Woodcock, 1; Common Snipe, 34; **Least Sandpiper, 1** (S.F., R.P.); Herring Gull, 260; Ring-billed Gull, 694; Laughing Gull, 20; Bonaparte's Gull, 2; Mourning Dove, 428; Screech Owl, 3; Great Horned Owl, 2; Barred Owl, 6; Belted Kingfisher, 5; Yellow-shafted Flicker, 107; Pileated Woodpecker, 25; Red-bellied Woodpecker, 53; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 15; Downy Woodpecker, 53; Blue Jay, 30; Common Crow, 4800; Fish Crow, 800; Carolina Chickadee, 238; Tufted Titmouse, 154; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 3; Brown Creeper, 5; House Wren, 3; Winter Wren, 9; Carolina Wren, 95; Mockingbird, 84; Catbird, 2; Brown Thrasher, 29; Robin, 181; Hermit Thrush, 12; Eastern Bluebird, 3; Golden-crowned Kinglet, 54; Ruby-crowned Kinglet, 27; Water Pipit, 13; Cedar Waxwing, 9; Loggerhead Shrike, 3; Starling, 500,000; **Solitary Vireo, 1** (S.F., R.P.); Myrtle Warbler, 1200; Pine Warbler, 3; Yellowthroat, 2; Yellow-breasted Chat, 1; House Sparrow, 260; Eastern Meadowlark, 497; Redwinged Blackbird, 10,000,000; Rusty Blackbird, 496; **Brewer's Blackbird, 1** (J.C., H.H., P.S.); Common Grackle, 5,000,000; Brown-headed Cowbird, 300,000; Cardinal, 222; Purple Finch, 107; **Common Redpoll, 1** (25 ft.—R.P.); Am. Goldfinch, 315; Rufous-sided Towhee, 247; Savannah Sparrow, 132; Sharp-tailed Sparrow, 1; Slate-colored Junco, 404; Tree Sparrow, 4; Chipping Sparrow, 12; Field Sparrow, 252; White-throated Sparrow, 1551; Fox Sparrow, 151; **Lincoln's Sparrow, 1** (carefully identified at close range—R.P.); Swamp Sparrow, 279; Song Sparrow, 273. **Total,** 96 species; about 15,815,103 individuals.—Mrs. Floy C. Burford, J. S. Calver, S. D. Fretwell, Gisela Grimm, H. A. Hespenheide, R. H. Peake, Jr., F. C. Richardson, W. F. Rountrey, P. W. Sykes, Jr. (compiler) (Cape Henry Bird Club and guests).

217. Rockingham County, Va. (all points within a 15-mile diameter circle, center at Ottobine, including Silver Lake in Dayton; town 5%, cottonwood-sycamore riverbottoms 5%, open farmland and farm woodlots 55%, mixed conifers and hardwoods in mountains 35%).—Dec. 29; 8 a.m. to 5:30 p.m. Cloudy, rain p.m.; temp. 27° to 36°; wind SW, 5-8 m.p.h.; snow on ground, water open. Four observers in 3 parties. Total party-hours, 25 (20 on foot, 5 by car); total party-miles, 180 (36 on foot, 144 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 116; Black Duck, 24; Gadwall, 6; Pintail, 6; Am. Widgeon, 56; Shoveler, 1; Redhead, 1; Ring-necked Duck, 9; Common Goldeneye, 1; Turkey Vulture, 49; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 7; Bobwhite, 44; Am. Coot, 4; Killdeer, 5; Common Snipe, 1; Mourning Dove, 14; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 9; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 8; Common Raven, 3; Common Crow, 108; Fish Crow, 1; Carolina Chickadee, 13; Tufted Titmouse, 15; White-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 2; Mockingbird, 13; Robin, 1; Golden-crowned Kinglet, 3; Loggerhead Shrike, 1; Starling, 933; House Sparrow, 110; Eastern Meadowlark, 10; Cardinal, 42; Am. Goldfinch, 35; Slate-colored Junco, 103; Tree Sparrow, 22; White-crowned Sparrow, 15; White-throated Sparrow, 3; Song Sparrow, 6. **Total,** 51 species; about 1825 individuals. (Seen in area count period, but not on count day: Hooded Merganser, Barred Owl, Horned Lark, Water Pipit.)—Max Carpenter (compiler), Joseph Dietz, Hollen Helbert, Harry Jopson.

218. Sweet Briar, Va. (all points within a 3-mile diameter circle, center Sweet Briar College; open farmland 40%, deciduous woodland 25%, scrubby creekbottoms 15%, lake edges 5%, hedgerows 10%, about buildings 5%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind 0-5 m.p.h.; ground bare, ponds frozen. Three observers in 1-2 parties. Total party-hours, 10 (9½ on foot, ½ by car); total party-miles, 12 (6 on foot, 6 by car). ► Turkey Vulture, 4; Bobwhite, 28; Mourning Dove, 51; Yellow-shafted Flicker, 4; Pileated Woodpecker, 5; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 29; Common Crow, 200; Carolina Chickadee, 16; Tufted Titmouse, 17; White-breasted Nuthatch, 3; Brown Creeper, 2; Carolina Wren, 4; Mockingbird, 23; Ruby-crowned Kinglet, 2; Water Pipit, 1; Starling, 4000; Myrtle Warbler, 25; House Sparrow, 56; Cardinal, 78; Purple Finch, 1; Am. Goldfinch, 2; Rufous-sided Towhee, 1; Slate-colored Junco, 53; Field Sparrow, 6; White-crowned Sparrow, 92; White-throated Sparrow, 60; Song Sparrow, 14. **Total,** 31 species; about 4792 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Sparrow Hawk, Screech Owl, Belted Kingfisher, Eastern Meadowlark, Fox Sparrow.)—Jeannette Boone, Katherine Macdonald, Gertrude Prior (compiler).

219. Warren, Va. (all points within a 15-mile diameter circle, center near Keene as in previous years).—Dec. 28; 7 a.m. to 5:45 p.m. Clear; temp. 19° to 33°; wind W, 0-15 m.p.h.; 1-3-in. snow in places. Three observers in 3 parties. Total party-hours, 31 (29 on foot, 2 by car); total party-miles, 113 (51 on foot, 62 by car). ► Great Blue Heron, 1; Canada Goose, 7 (1 smaller race); Mallard, 141; Black Duck, 19; Green-winged Teal, 41; Bufflehead, 6; Turkey Vulture, 49; Black Vulture, 32; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; **Rough-legged Hawk, 2** (K.L.); Marsh Hawk, 5; Sparrow Hawk, 3; Bobwhite, 180; Turkey, 1; Killdeer, 1; Common Snipe, 11; Mourning Dove, 970; Yellow-shafted Flicker, 13; Pileated Woodpecker, 9; Red-bellied Woodpecker, 27; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 34; Eastern Phoebe, 1; Horned Lark, 47; Blue Jay, 35; Common Crow, 691; Carolina Chickadee, 40; Tufted Titmouse, 52; White-breasted

Nuthatch, 9; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 10; Mockingbird, 52; Robin, 3; Hermit Thrush, 3; Eastern Bluebird, 2; Golden-crowned Kinglet, 37; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 13; Starling, 1820; Myrtle Warbler, 62; House Sparrow, 54; Eastern Meadowlark, 292; Redwinged Blackbird, 1; Rusty Blackbird, 261; Common Grackle, 365; Brown-headed Cowbird, 163; Cardinal, 293; Purple Finch, 18; Am. Goldfinch, 15; Slate-colored Junco, 643; Tree Sparrow, 58; Field Sparrow, 240; White-crowned Sparrow, 45; White-throated Sparrow, 271; Swamp Sparrow, 8; Song Sparrow, 237; **Lapland Longspur, 1** (C.S.). **Total,** 60 species (1 additional race); about 7429 individuals.—Kenneth Lawless, Robert S. Merkel, Charles E. Stevens (compiler).

220. Central Beaufort County, N. C. (all points within a 15-mile diameter circle, center where Upper Goose Creek enters Pamlico River, including both sides of river from Bath to Washington; feeders 5%, river and river shore 35%, fields 30%, mixed woods 25%, pine woods 5%).—Dec. 30; 7:15 a.m. to 5:15 p.m. Cloudy; temp. 46° to 41°; wind SW, 0-20 m.p.h.; ground bare, water open. Three observers in 2 parties. Total party-hours, 14 (6 on foot, 8 by car); total party-miles, 152 (6 on foot, 146 by car). ► Horned Grebe, 15; Pied-billed Grebe, 7; Great Blue Heron, 3; Common Egret, 1; Whistling Swan, 20; Canada Goose, 41; Mallard, 75; Black Duck, 17; Am. Widgeon, 2; Wood Duck, 1; Redhead, 20; Ring-necked Duck, 2; Canvasback, 27; Bufflehead, 4; Ruddy Duck, 200; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 20; Bobwhite, 5; Am. Coot, 51; Killdeer, 11; Great Black-backed Gull, 2; Herring Gull, 8; Ring-billed Gull, 653; Mourning Dove, 15; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 2; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 9; Blue Jay, 37; Common Crow, 13; Fish Crow, 70; Carolina Chickadee, 13; Tufted Titmouse, 6; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 9; Brown Creeper, 1; Carolina Wren, 10; Mockingbird, 14; Brown Thrasher, 5; Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 5; Loggerhead Shrike, 5; Starling, 33; Myrtle Warbler, 34; Pine Warbler, 1; House Sparrow, 89; Eastern Meadowlark, 49; Redwinged Blackbird, 3881; Rusty Blackbird, 30; Common Grackle, 4233; Brown-headed Cowbird, 500; Cardinal, 35; **Indigo Bunting, 1** (regular at feeder since mid-Dec.); Purple Finch, 6; Am. Goldfinch, 6; Rufous-sided Towhee, 53; Slate-colored Junco, 81; Chipping Sparrow, 1; Field Sparrow, 5; White-throated Sparrow, 107; Fox Sparrow, 15; Swamp Sparrow, 2; Song Sparrow, 5. **Total,** 72 species; about 10,629 individuals. (Seen in area count period, but not on count day: **Cattle Egret**, Pintail, Common Merganser, Bald Eagle, Winter Wren, Cedar Waxwing, Baltimore Oriole.)—Elizabeth Ball (compiler), Geraldine Cox, Mary McLaurin.

221. Chapel Hill, N. C. (all points within a 15-mile diameter circle, center intersection of Columbia and Franklin Streets).—Jan. 2; 5 a.m. to 5:30 p.m.; temp. 30° to 52°; wind E, 2-3 m.p.h. Twenty-two observers in 13 parties. Total party-hours, 84; total party-miles, 126 (34 on foot, 92 by car). ► Horned Grebe, 1; Great Blue Heron, 6; Am. Bittern, 1; Whistling Swan, 1; Mallard, 106; Black Duck, 13; Ring-necked Duck, 8; Lesser Scaup, 4; Hooded Merganser, 6; Common Merganser, 12; Red-breasted Merganser, 12; Turkey Vulture, 6; Black Vulture, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 4; Bobwhite, 34; Killdeer, 20; **Spotted Sandpiper, 1**; Herring Gull, 2; Mourning Dove, 48; **Short-eared Owl, 1**; Belted Kingfisher, 3; Yellow-shafted Flicker, 33; Pileated Woodpecker, 2; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 9; Downy Woodpecker, 27; Eastern Phoebe, 2; Blue Jay, 122; Common Crow, 153; Carolina Chickadee, 86; Tufted Titmouse, 95; White-breasted Nuthatch, 29; Brown-headed Nuthatch, 21; Brown Creeper, 7; Carolina Wren, 28; Mockingbird, 98; Brown Thrasher, 7; Robin, 3; Hermit Thrush, 2; Eastern Bluebird, 37; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 18; Cedar Waxwing, 44; Loggerhead Shrike, 14; Starling, 349; Myrtle Warbler, 25; Pine Warbler, 17; Yellow-breasted Chat, 1; House Sparrow, 80; Eastern Meadowlark, 166; Redwinged Blackbird, 48; Baltimore Oriole, 7; Brown-headed Cowbird, 30; Cardinal, 180; Purple Finch, 37; Am. Goldfinch, 21; Rufous-sided Towhee, 67; Savannah Sparrow, 1; Slate-colored Junco, 269; Chipping Sparrow, 1; Field Sparrow, 57; White-crowned Sparrow, 1; White-throated Sparrow, 297; Fox Sparrow, 16; Swamp Sparrow, 1; Song Sparrow, 68. **Total,** 73 species; about 2949 individuals.—C. H. Blake, Mrs. Helen L. Blake, E. Archer Dillard, Francis Harper, Mrs. Jean Harper, Logan Irvin, Mrs. Logan Irvin, Gerald R. MacCarthy, Mrs. E. MacCarthy, J. P. Moore, Mrs. Wallace Patterson, Lyman A. Ripperton, Wiley B. Sanders (compiler), Mrs. Dolly C. Sanders, Robert B. Sharpe, Mrs. Mildred C. Sharpe, Mrs. Claudia Simmons, Matt L. Thompson, Mrs. Sue R. Thompson, Mrs. Adelaide Walters, Mrs. Josephine Weedon, Frances Yocom.

222. Charlotte, N. C. (all points within a 15-mile diameter circle, center at intersection of 7th St. and Briar Creek as in past 18 years; commercial and residential building continue to encroach radically upon habitat; deciduous-pine woods and edge 45%, open fields 33%, streams and ponds 16%, city yards 6%).—Dec. 31; 7 a.m. to 5 p.m. Ground fog a.m., fair by noon, cloudy-rain late p.m.; temp. 31° to 53°; wind ENE, 5-10 m.p.h.; ground bare, water open. Fifteen observers in 3 parties. Total party-hours, 25 (15 on foot, 10 by car); total party-miles, 191 (17 on foot, 174 by car). ► Great Blue Heron, 2; Turkey Vulture, 1; Black Vulture, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Sparrow Hawk, 2; Bobwhite, 76; Killdeer, 13; Common Snipe, 1; Herring Gull, 2; Ring-billed Gull, 202; Mourning Dove, 283; Belted Kingfisher, 5; Yellow-shafted Flicker, 38; Red-bellied Woodpecker, 30; Red-headed Woodpecker,

3; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 8; Downy Woodpecker, 18; Eastern Phoebe, 2; Horned Lark, 23; Blue Jay, 164; Common Crow, 106; Carolina Chickadee, 56; Tufted Titmouse, 37; White-breasted Nuthatch, 7; Brown-headed Nuthatch, 14; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 18; Mockingbird, 64; Brown Thrasher, 4; Robin, 79; Hermit Thrush, 1; Eastern Bluebird, 44; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 8; Water Pipit, 28; Cedar Waxwing, 146; Loggerhead Shrike, 33; Starling, 2367; Myrtle Warbler, 64; Pine Warbler, 4; House Sparrow, 269; Eastern Meadowlark, 145; Redwinged Blackbird, 8; Rusty Blackbird, 113; Common Grackle, 125; Cardinal, 252; Purple Finch, 30; Am. Goldfinch, 40; Rufous-sided Towhee, 38; Slate-colored Junco, 454; Chipping Sparrow, 5; Field Sparrow, 74; White-throated Sparrow, 252; Fox Sparrow, 74; Swamp Sparrow, 6; Song Sparrow, 84. **Total,** 59 species; about 5962 individuals. (Seen in area count period, but not on count day: Mallard, Sharp-shinned Hawk, Barred Owl, Baltimore Oriole.) —Mrs. Edwin O. Clarkson, Mrs. W. G. Cobey, Lee Jones, Julian Meadows, Lee Miller, Joseph R. Norwood (compiler), Mrs. Joseph R. Norwood, Mr. and Mrs. Shuford K. Peeler, Frank Ramsey, Carol Reagin, William Smith, John Trott (Cardinal Bird Club, Mecklenburg Audubon Club, guests).

223. Greensboro, N. C. (all points within a 15-mile diameter circle, center ½ mile southwest of WBIG transmitter as in 1959; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 30%, open fields 15%, marsh and wooded swamps 10%, lawns and parks 5%).—Dec. 31; 7 a.m. to 6:30 p.m. Fog to 9 a.m., overcast to partly cloudy; temp. 31° to 49°; wind ENE, to 13 m.p.h. Thirty observers in 12 parties. Total party hours, 92 (55 on foot, 37 by car); total party-miles, 274 (42 on foot, 232 by car). ► Horned Grebe, 5; Pied-billed Grebe, 13; Great Blue Heron, 1; Mallard, 188; Black Duck, 152; Gadwall, 2; Pintail, 3; Green-winged Teal, 1; Am. Widgeon, 5; Redhead, 5; Ring-necked Duck, 208; Canvasback, 4; Lesser Scaup, 3; Bufflehead, 32; **Oldsquaw,** 1; Ruddy Duck, 27; Hooded Merganser, 2; Turkey Vulture, 24; Black Vulture, 5; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Sparrow Hawk, 10; Bobwhite, 52; Am. Coot, 16; Killdeer, 10; Common Snipe, 1; Mourning Dove, 292; Belted Kingfisher, 10; Yellow-shafted Flicker, 40; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 14; Downy Woodpecker, 54; Eastern Phoebe, 2; Horned Lark, 150; Blue Jay, 286; Common Crow, 197; Carolina Chickadee, 314; Tufted Titmouse, 233; White-breasted Nuthatch, 64; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 60; Brown Creeper, 10; Winter Wren, 2; Carolina Wren, 18; Mockingbird, 174; Brown Thrasher, 5; Robin, 2; Eastern Bluebird, 4; Golden-crowned Kinglet, 48; Ruby-crowned Kinglet, 28; Cedar Waxwing, 32; Loggerhead Shrike, 55; Starling, **853,379**; Myrtle Warbler, 8; Pine Warbler, 9; House Sparrow, 739; Eastern Meadowlark, 178; Redwinged Blackbird, 5047; **Baltimore Oriole,** 2; Rusty Blackbird, **145,004**; Common Grackle, **852,018**; Brown-headed Cowbird, **150,320**; Cardinal, 501; Purple Finch, 52; Am. Goldfinch, 48; Rufous-sided Towhee, 49; Slate-colored Junco, 1212; Field Sparrow, 131; White-throated Sparrow, 674; Fox Sparrow, 3; Swamp Sparrow, 37; Song Sparrow, 331. **Total,** 76 species; about 2,012,676 individuals.—Mrs. J. Brown, Mrs. A. Cannon, Inez Colwell, Mrs. F. H. Craft, Larry Crawford, Jr., Mr. and Mrs. G. W. Daniels, Brad Hawkins (compiler), Mrs. James T. Heilig, Mrs. W. S. Holmes, Bruce Kappel, Richard Knox, Robert Lasley, James Mattocks, Mrs. R. E. McCoy, Ethel McNairy, Ida Mitchell, C. H. Moody, Elizabeth Ogburn, Mr. and Mrs. G. W. Perrett, Etta Schiffman, George Smith, Mrs. W. F. Smyre, Mrs. Paul Stam, Thomas Street, Mrs. C. R. Surratt, Mrs. J. S. Swart, Margaret Y. Wall, Mrs. R. H. Weisner.

224. Hampstead, N. C. (all points within a 15-mile diameter circle, center on edge of Inland Waterway 1 mile SSE of Hampstead as last year).—Dec. 31; 6 a.m. to 5:30 p.m. Clear to cloudy; temp. 33° to 56°; wind NE, 10-15 m.p.h.; ground bare, water open, ocean moderately calm. Six observers in 3 parties. Total party-hours, 21 (9 on foot, 12 by car); total party-miles, 219 (4 on foot, 215 by car). ► Common Loon, 86; Red-throated Loon, **129**; Horned Grebe, 77; Pied-billed Grebe, 6; Brown Pelican, 4; Gannet, **195**; Double-crested Cormorant, 1; Great Blue Heron, 6; Little Blue Heron, 1; Common Egret, 5; Louisiana Heron, 4; Black-crowned Night Heron, 1; Am. Bittern, 1; **Snow Goose,** 3 (M.B., G.M.); **Blue Goose,** 1 (M.B., G.M.); Mallard, 30; Black Duck, 6; Gadwall, 3; Green-winged Teal, 20; Am. Widgeon, 45; Shoveler, 5; Wood Duck, 1; Lesser Scaup, 3; Common Goldeneye, 5; Bufflehead, 55; White-winged Scoter, 2; Common Scoter, 41; Ruddy Duck, 8; Hooded Merganser, 6; Red-breasted Merganser, 73; Turkey Vulture, 15; Black Vulture, 6; Red-shouldered Hawk, 7; Marsh Hawk, 6; Sparrow Hawk, 21; Bobwhite, 53; Clapper Rail, 1; Am. Coot, 200; Semipalmated Plover, 8; Killdeer, 6; Black-bellied Plover, 91; Common Snipe, 1; Willet, 2; Greater Yellowlegs, 23; Dunlin, 350; Short-billed Dowitcher, 1; Semipalmated Sandpiper, 20; Sanderling, 155; Great Black-backed Gull, 7; Herring Gull, 753; Ring-billed Gull, 1271; Laughing Gull, 2; Bonaparte's Gull, 6; Forster's Tern, 157; Royal Tern, 1; Black Skimmer, 7; Mourning Dove, 101; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 41; Pileated Woodpecker, 5; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 10; Hairy Woodpecker, 6; Downy Woodpecker, 13; Eastern Phoebe, 4; Horned Lark, 2; Blue Jay, 36; Common Crow, 140; Fish Crow, 250; Carolina Chickadee, 14; Tufted Titmouse, 9; Brown-headed Nuthatch, 3; House Wren, 9; Carolina Wren, 11; Mockingbird, 29; Catbird, 1; Brown Thrasher, 5; Robin, 325; Hermit Thrush, 7; Eastern Bluebird, 4; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 9; Water Pipit, 77; Cedar Waxwing, 11; Loggerhead Shrike, 11; Starling, 321; Myrtle Warbler, 320; Pine Warbler, 2; Yellowthroat, 2; House Sparrow, 21; Eastern

Meadowlark, 103; Redwinged Blackbird, 661; Rusty Blackbird, 2; Boat-tailed Grackle, 634; Common Grackle, 360; Brown-headed Cowbird, 8; Cardinal, 44; Purple Finch, 3; Am. Goldfinch, 30; Rufous-sided Towhee, 31; Ipswich Sparrow, 1; Savannah Sparrow, 55; Henslow's Sparrow, 2; Vesper Sparrow, 72; Slate-colored Junco, 78; Chipping Sparrow, 50; Field Sparrow, 30; White-throated Sparrow, 185; Fox Sparrow, 12; Swamp Sparrow, 251; Song Sparrow, 246. **Total,** 113 species; about 8674 individuals. —Mrs. Catherine Alexander, Maurice V. Barnhill III (compiler), Mrs. Dot Earle, John M. Irvine, Jr., Greg Massey, Mrs. Mary Urich.

225. Jefferson, N. C. (all points within a 15-mile diameter circle, center near Todd P.O., including Bald Mt. and portions of South Fork of New River). —Dec. 31; 7 a.m. to 4 p.m. Overcast; temp. 17° to 33°; no wind. Thirteen observers in 3 parties. Total party-hours, 26 (11 on foot, 15 by car and jeep); total party-miles, 74 (13 on foot, 36 by car, 25 by jeep). ► Red-shouldered Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 4; Bobwhite, 5; Mourning Dove, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 23; Common Crow, 96; Black-capped Chickadee, 4; Carolina Chickadee, 4; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Carolina Wren, 3; Mockingbird, 1; Eastern Bluebird, 1; Starling, **600**; House Sparrow, 94; Eastern Meadowlark, 3; Cardinal, 57; Am. Goldfinch, 1; Rufous-sided Towhee, 5; Vesper Sparrow, 5; Slate-colored Junco, **224**; Field Sparrow, 56; White-throated Sparrow, 1; Song Sparrow, 51. **Total,** 30 species; about 1261 individuals.—Betty Carter, Phil Eckman, Mrs. Phil Eckman, Mrs. A. Burman Hurt (compiler), Alice Lyall, Gordon McWilliams, Charles Miller, Clyde Miller, James Miller, Richard Miller, J. Frank Randall, David Risk, Michael Welch.

226. Mattamuskeet National Wildlife Refuge, N. C. (all points within a 15-mile diameter circle, center Mattamuskeet Lodge, including most of Mattamuskeet Refuge and portions of Swanquarter Refuge; fields and thickets 20%, pine woods and swamps 30%, fresh-water lake 45%, fresh-water marsh 5%).—Jan. 1; 7 a.m. to 5 p.m. Occasional cloudiness; temp. 45° to 64°; wind SW, 5-15 m.p.h. Seven observers in 2 parties. Total party-hours, 18 (2 on foot, 16 by car); total party-miles, 191 (2 on foot, 189 by car). ► Pied-billed Grebe, 5; Great Blue Heron, 7; Common Egret, 4; Snowy Egret, 3; Black-crowned Night Heron, 4; Am. Bittern, 3; Whistling Swan, 2000; Canada Goose, 95,000; Snow Goose, 125; Blue Goose, 1000; **Fulvous Tree Duck, 1** (9 Dec. 10, 3 collected); Mallard, 8000; Black Duck, 14,000; Gadwall, 4000; Pintail, 50,000; Green-winged Teal, 10,000; Blue-winged Teal, 500; Am. Widgeon, 10,000; Shoveler, 3000; Wood Duck, 300; Redhead, 200; Ring-necked Duck, 5000; Canvasback, 200; Lesser Scaup, 5000; Common Goldeneye, 100; Bufflehead, 100; Ruddy Duck, 5000; Hooded Merganser, 200; Common Merganser, 500; Turkey Vulture, 7; Black Vulture, 5; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 8; Marsh Hawk, 12; Sparrow Hawk, 73; Bobwhite, 12; Common Gallinule, 4; Am. Coot, 8000; Killdeer, 7; Am. Woodcock, 6; Common Snipe, 2; Greater Yellowlegs, 3; Great Black-backed Gull, 1; Herring Gull, 16; Ring-billed Gull, 350; Forster's Tern, 1; Mourning Dove, 111; Screech Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 44; Pileated Woodpecker, 7; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Eastern Phoebe, 1; Tree Swallow, 4; Common Crow, 54; Fish Crow, 18; Carolina Chickadee, 9; Tufted Titmouse, 1; Brown-headed Nuthatch, 1; Winter Wren, 1; Carolina Wren, 17; Long-billed Marsh Wren, 1; Mockingbird, 33; Catbird, 2; Brown Thrasher, 4; Robin, 221; Hermit Thrush, 2; Ruby-crowned Kinglet, 8; Cedar Waxwing, 15; Starling, 135; **Parula Warbler, 1**; Myrtle Warbler, 142; Palm Warbler, 1; Yellowthroat, 1; House Sparrow, 134; Eastern Meadowlark, 184; Redwinged Blackbird, 18,000; Common Grackle, 63; Brown-headed Cowbird, 200; Cardinal, 17; Am. Goldfinch, 3; Rufous-sided Towhee, 8; Savannah Sparrow, 3; Slate-colored Junco, 15; Field Sparrow, 7; White-throated Sparrow, 18; Fox Sparrow, 6; Swamp Sparrow, 5; Song Sparrow, 8. **Total,** 93 species; about 242,292 individuals. —Betty Ball, Willie G. Cahoon (compiler), Geraldine Cox, J. W. Joyner, Thomas Earl Sanderson, John L. Thompson, Curtis T. Wilson.

227. New London, N. C. (all points within a 15-mile diameter circle, center 2 miles northwest of Badin, including High Rock Lake, Yadkin River, Badin Lake, Morrow Mt. State Park, Albemarle City Reservoir, Albemarle, New London, Badin; deciduous woodland 25%, open fields and farmlands 27%, fresh-water ponds and lake shores 25%, lakes and rivers 15%, marsh 3%, pine woods 2%, town suburbs 3%). —Dec. 30; 6 a.m. to 7 p.m. Fog with drizzle until 9 a.m., fair rest of day; temp. 38° to 55°; wind SW, 3-5 m.p.h. Seventeen observers in 6 parties. Total party-hours, 30 (15 on foot, 15 by car); total party-miles, 333 (12 on foot, 321 by car). ► Great Blue Heron, 1; Canada Goose, 50; Mallard, 18; Black Duck, 7; Lesser Scaup, 2; Turkey Vulture, 19; Black Vulture, 18; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 10; Bobwhite, 52; Am. Coot, 1; Killdeer, 16; Am. Woodcock, 2; Common Snipe, 1; Herring Gull, 4; Ring-billed Gull, 202; Mourning Dove, 53; Barred Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 19; Eastern Phoebe, 6; Horned Lark, 17; Blue Jay, 69; Common Crow, 105; Carolina Chickadee, 49; Tufted Titmouse, 20; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 21; Mockingbird, 46; Brown Thrasher, 3; Robin, 10; Eastern Bluebird, 22; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 11; Water Pipit, 10; Cedar Waxwing, 20; Loggerhead Shrike, 41; Starling, 88; Myrtle Warbler, 1; Pine Warbler, 1; House Sparrow, 279; Eastern Meadowlark, 119; Redwinged Blackbird, 7; Common Grackle, 3; Cardinal, 133; Purple Finch, 1; Am. Goldfinch, 47; Rufous-sided Towhee, 52; Savannah

Sparrow, 2; Slate-colored Junco, 482; Field Sparrow, 15; White-throated Sparrow, 284; Fox Sparrow, 7; Swamp Sparrow, 1; Song Sparrow, 38. **Total,** 64 species; about 2548 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, Baltimore Oriole.)—Mrs. Barrett Crook, Donald Maner, Lenore Miller, Mrs. Rebekah Norwood, Joseph R. Norwood, Wayne Smith, John Trott (compiler), Mrs. Vivian Whitlock.

228. **North Wilkesboro, N. C.** (all points within a 15-mile diameter circle, center North Wilkesboro, including portions of Reddies and Yadkin River Valleys).—Dec. 30; 9 a.m. to 5:30 p.m. High clouds, rain p.m.; temp. 32° to 42°; wind W, 4-10 m.p.h. One observer. Total party-hours, 8½ (8 on foot, ½ by car); total party-miles, 9 (8 on foot, 1 by car). ► Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Bobwhite, 4; Mourning Dove, 187; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 1; Blue Jay, 20; Common Crow, 216; Carolina Chickadee, 13; Tufted Titmouse, 29; White-breasted Nuthatch, 4; Winter Wren, 6; Carolina Wren, 13; Mockingbird, 6; Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Cedar Waxwing, 43; Starling, 69; Myrtle Warbler, 7; House Sparrow, 27; Eastern Meadowlark, 16; Rusty Blackbird, 5; Cardinal, 25; Purple Finch, 38; Am. Goldfinch, 10; Rufous-sided Towhee, 6; Slate-colored Junco, 17; Field Sparrow, 7; White-throated Sparrow, 61; Song Sparrow, 39. **Total,** 39 species; about 890 individuals.—Wendell P. Smith.

229. **Wilmington, N. C.** (all points within a 15-mile diameter circle, center Myrtle Grove Junction, including Wrightsville Beach and Sound, Masonboro and Greenville Sounds, Winter Park, Orton Plantation, Cape Fear River, Greenfield Lake, Echo Dairy Farm; mixed pine and deciduous woodland 40%, beach and salt marsh 35%, fresh-water ponds and river 20%, pasture 5%).—Dec. 29; 4 a.m. to 6:10 p.m. Mostly cloudy, little rain; temp. 40° to 56°; wind NW, 6 m.p.h. Thirteen observers in 6 parties. Total party-hours, 64 (25 on foot, 39 by car); total party-miles, 509 (23 on foot, 486 by car). ► Common Loon, 112; Red-throated Loon, 20; Horned Grebe, 47; Pied-billed Grebe, 23; Brown Pelican, 2; Gannet, **173**; Double-crested Cormorant, 21; Great Blue Heron, 20; Common Egret, 8; Snowy Egret, 2; Louisiana Heron, 11; Black-crowned Night Heron, 4; Canada Goose, 102; Mallard, 450; Black Duck, 402; Gadwall, 35; Pintail, 48; Green-winged Teal, 330; Blue-winged Teal, 91; Am. Widgeon, 15; Shoveler, 100; Wood Duck, 152; Redhead, 3; Ring-necked Duck, 62; Canvasback, 4; Lesser Scaup, 6; Bufflehead, 55; Oldsquaw, 3; **Common Eider, 1** (carefully identified at 30 ft.—Appleberry, Holmes); Surf Scoter, 7; Common Scoter, 67; Ruddy Duck, 56; Hooded Merganser, 30; Red-breasted Merganser, 48; Turkey Vulture, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 17; Bobwhite, 17; Clapper Rail, 20; Common Gallinule, 1; Am. Coot, 228; Am. Oystercatcher, 13; Semipalmated Plover, 14; Piping Plover, 6; Killdeer, 56; Black-bellied Plover, 77; Ruddy Turnstone, 1; Am. Woodcock, 7; Common Snipe, 11; Willet, 32; Greater Yellowlegs, 20; Lesser Yellowlegs, 4; **Knot, 8**; Purple Sandpiper, 7; Least Sandpiper, 10; Dunlin, 130; Short-billed Dowitcher, 20; Semipalmated Sandpiper, 36; Western Sandpiper, 1; **Marbled Godwit, 2** (R.H.); Sanderling, 43; Herring Gull, 366; Ring-billed Gull, 1051; Laughing Gull, 7; Bonaparte's Gull, 8; Forster's Tern, 40; Common Tern, 2; Royal Tern, 12; Caspian Tern, 1; Black Skimmer, 125; Mourning Dove, 746; Great Horned Owl, 1; Belted Kingfisher, 26; Yellow-shafted Flicker, 70; Pileated Woodpecker, 2; Red-bellied Woodpecker, 44; Red-headed Woodpecker, **21**; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 8; Red-cockaded Woodpecker, 5; Eastern Phoebe, 6; Blue Jay, 89; Common Crow, 68; Fish Crow, 11; Carolina Chickadee, 46; Tufted Titmouse, 55; Brown-headed Nuthatch, 29; Brown Creeper, 1; House Wren, 17; Winter Wren, 10; Carolina Wren, 26; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 3; Mockingbird, 88; Catbird, 8; Brown Thrasher, 27; Robin, 1675; Hermit Thrush, 8; Eastern Bluebird, 9; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 16; Water Pipit, 63; Cedar Waxwing, 51; Loggerhead Shrike, 15; Starling, 509; Orange-crowned Warbler, 4; Myrtle Warbler, 304; Pine Warbler, 5; Palm Warbler, 3; Yellowthroat, 9; House Sparrow, 313; Eastern Meadowlark, 766; Redwinged Blackbird, 6657; Boat-tailed Grackle, 273; Common Grackle, 717; Brown-headed Cowbird, 310; Cardinal, 85; Purple Finch, 2; Am. Goldfinch, 68; Rufous-sided Towhee, 88; Ipswich Sparrow, 1; Savannah Sparrow, 217; Henslow's Sparrow, **6**; Sharp-tailed Sparrow, 6; Seaside Sparrow, 6; Vesper Sparrow, 11; Slate-colored Junco, 294; Chipping Sparrow, 17; Field Sparrow, 110; White-throated Sparrow, 1995; Fox Sparrow, 235; Swamp Sparrow, 65; Song Sparrow, 135. **Total,** 138 species; about 21,392 individuals. (Seen in area count period, but not on count day: Little Blue Heron, Greater Scaup, Black Vulture, King Rail, Virginia Rail, Barn Owl, Whip-poor-will, Horned Lark, Baltimore Oriole.)—Mr. and Mrs. Cecil Appleberry, Mrs. Roxanna Atwood, Maurice Barnhill, Mrs. Dot Earle, Robert P. Holmes III, John Irvine, John Irvine, Jr., Harry Latimer, Greg Massey (compiler), Mrs. Polly Mebane, Mrs. Mary Urich, Mrs. Marie Vander Schalie.

230. **Aiken, S. C.** (all points within a 15-mile diameter circle, center Aiken Training Track; swamps and ponds 50%, fields and pastures 20%, mixed woods 15%, pine woods 15%).—Dec. 29; 6 a.m. to 6 p.m. Overcast; temp. 32° to 54°; wind E, 2 m.p.h. Three observers in 1 party. Total party-hours, 12 (11 on foot, 1 by car); total party-miles, 56 (16 on foot, 40 by car). ► Pied-billed Grebe, 17; Ring-necked Duck, 309; Lesser Scaup, 45; Turkey Vulture, 4; Black Vulture, 64; Red-tailed Hawk, 2; Sparrow Hawk, 3; Bobwhite, 29; Killdeer, 14; Common Snipe,

6; Mourning Dove, 32; Screech Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 19; Pileated Woodpecker, 2; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 8; Red-cockaded Woodpecker, 4; Eastern Phoebe, 5; Blue Jay, 34; Common Crow, 14; Carolina Chickadee, 5; Tufted Titmouse, 10; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 19; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 12; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 2; Mockingbird, 19; **Catbird,** 1; Brown Thrasher, 7; Robin, 10; Hermit Thrush, 6; Eastern Bluebird, 17; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 20; Water Pipit, 4; Cedar Waxwing, 35; Loggerhead Shrike, 7; Starling, 6500; Myrtle Warbler, 3; Pine Warbler, 4; Palm Warbler, 2; Yellowthroat, 4; House Sparrow, 55; Eastern Meadowlark, 57; Redwinged Blackbird, 1805; Rusty Blackbird, 8; Common Grackle, 2500; Brown-headed Cowbird, 1650; Cardinal, 35; Am. Goldfinch, 6; Rufous-sided Towhee, 35; Savannah Sparrow, 42; Vesper Sparrow, 56; **Bachman's Sparrow,** 1; Slate-colored Junco, 35; Field Sparrow, 66; White-throated Sparrow, 127; Fox Sparrow, 6; Swamp Sparrow, 70; Song Sparrow, 40. **Total,** 67 species; about 13,959 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Mallard, Common Goldeneye, Bufflehead, Oldsquaw, Hooded Merganser, Marsh Hawk, Sora, Common Gallinule, Ring-billed Gull, Chipping Sparrow.)—John B. Hatcher, William Post, Jr. (compiler), Thomas M. Rial.

231. Charleston, S. C. (all points within a 15-mile diameter circle, center on U. S. 17, 14.5 miles north of Mt. Pleasant).—Dec. 31; 7 a.m. to 5 p.m. Overcast; temp. 44° to 58°; wind E to NE, 10-15 m.p.h. Twenty-one observers in 6 parties. Total party-hours, 52 (39 on foot, 12 by car, 1 by boat); total party-miles, 179 (27 on foot, 148 by car, 4 by boat). ► Common Loon, 1; Red-throated Loon, 1; Horned Grebe, 52; Pied-billed Grebe, 54; Brown Pelican, 23; Double-crested Cormorant, 22; Great Blue Heron, 21; Little Blue Heron, 6; Common Egret, 19; Snowy Egret, 12; Louisiana Heron, 7; Black-crowned Night Heron, 26; Am. Bittern, 1; White Ibis, 51; Canada Goose, 100; Snow Goose, 8; Blue Goose, 10; Mallard, 250; Black Duck, 150; Gadwall, 50; Pintail, 500; Green-winged Teal, 500; Blue-winged Teal, 150; Am. Widgeon, 800; Shoveler, 150; Wood Duck, 12; Ring-necked Duck, 45; Canvasback, 25; Greater Scaup, 8; Lesser Scaup, 140; Common Goldeneye, 2; Bufflehead, 104; Surf Scoter, 2; Common Scoter, 100+; Ruddy Duck, 151; Hooded Merganser, 27; Red-breasted Merganser, 44; Turkey Vulture, 58; Black Vulture, 54; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 9; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 11; Bobwhite, 1; Turkey, 5; King Rail, 1; Clapper Rail, 18; Common Gallinule, 19; Am. Coot, 558+; Am. Oystercatcher, 455; Semipalmated Plover, 2; Killdeer, 5; Black-bellied Plover, 44; Ruddy Turnstone, 15; Am. Woodcock, 5; Common Snipe, 9; Spotted Sandpiper, 1; Willet, 40; Greater Yellowlegs, 15; Dunlin, 293; Short-billed Dowitcher, 130; Semipalmated Sandpiper, 50; Western Sandpiper, 150; Marbled Godwit, 6; Sanderling, 50; Herring Gull, 43; Ring-billed Gull, 133; Laughing Gull, 1; Bonaparte's Gull, 2; Forster's Tern, 2; Caspian Tern, 1; Mourning Dove, 87; Belted Kingfisher, 19; Yellow-shafted Flicker, 86; Pileated Woodpecker, 36; Red-bellied Woodpecker, 42; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 24; Hairy Woodpecker, 5; Downy Woodpecker, 24; Red-cockaded Woodpecker, 5; Eastern Phoebe, 9; Tree Swallow, 46; Blue Jay, 45; Common Crow, 162; Fish Crow, 511; Carolina Chickadee, 26; Tufted Titmouse, 16; Brown-headed Nuthatch, 13; Brown Creeper, 4; House Wren, 7; Winter Wren, 5; Carolina Wren, 42; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 6; Mockingbird, 17; Catbird, 6; Brown Thrasher, 29; Robin, 1544; Hermit Thrush, 22; **Swainson's Thrush,** 1 (studied carefully in good light at close range—E.A.C.); Eastern Bluebird, 34; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 75; Water Pipit, 85; Cedar Waxwing, 118; Loggerhead Shrike, 10; Starling, 157; White-eyed Vireo, 1; Solitary Vireo, 2; Orange-crowned Warbler, 4; Myrtle Warbler, 4644+; Yellow-throated Warbler, 1; Pine Warbler, 21; **Northern Waterthrush,** 1 (E.A.C.); Yellowthroat, 9; House Sparrow, 1; Eastern Meadowlark, 87; Redwinged Blackbird, 3314+; Rusty Blackbird, 4; Boat-tailed Grackle, 175; Common Grackle, 1125+; Brown-headed Cowbird, 14; Cardinal, 62; Am. Goldfinch, 22; Rufous-sided Towhee, 109; Savannah Sparrow, 19; Sharp-tailed Sparrow, 14; Seaside Sparrow, 5; Vesper Sparrow, 6; Slate-colored Junco, 157; Chipping Sparrow, 341; Field Sparrow, 54; White-throated Sparrow, 804+; Fox Sparrow, 24; Swamp Sparrow, 88; Song Sparrow, 105. **Total,** 140 species; more than 20,372 individuals.—Roy Baker, Mr. and Mrs. Francis Barrington, B. R. Chamberlain, E. B. Chamberlain (compiler), Mr. and Mrs. R. H. Coleman, E. A. Cutts, J. H. Dick, R. L. Edwards, R. D. Edwards, John Horlbeck, Mrs. John Leland, Peter Manigault, I. S. Metcalf, Mrs. M. D. Richardson, Newton Seebeck, Elizabeth D. Simons, G. R. Thurow, A. M. Wilcox, E. A. Williams (Charleston Natural History Society and guests).

232. Clemson, S. C. (all points within a 15-mile diameter circle, center Southern Railroad station in Clemson, including Clemson College campus, Issaqueena Lake, Keowee and Little Rivers, Clemson, La France, Norris, Seneca; open farmland 29%, deciduous woodland 4%, pine woodland 10%, mixed woodland 44%, towns 6%, lake, ponds, rivers and Hartwell Dam area 7%).—Jan. 2; 5:40 a.m. to 6:20 p.m. Clear; temp. 33° to 54°; wind SW, 0-15 m.p.h.; water open, ground clear. Six observers in 3 parties. Total party-hours, 29 2/3 (18 on foot, 11 2/3 by car); total party-miles, 264 (15 on foot, 249 by car). ► Canada Goose, 29; Mallard, 120; Black Duck, 22; Pintail, 7; Ring-necked Duck, 10; **Canvasback,** 1; Common Merganser, 3; Turkey Vulture, 14; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 2; Bobwhite, 9; Turkey, 12; Killdeer, 4; Common Snipe, 1; Mourning Dove, 125;

Screech Owl, 2; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 28; Pileated Woodpecker, 3; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 11; Eastern Phoebe, 1; Blue Jay, 125; Common Crow, 147; Carolina Chickadee, 82; Tufted Titmouse, 45; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 19; Brown Creeper, 3; Winter Wren, 5; Carolina Wren, 7; **Long-billed Marsh Wren, 2**; Mockingbird, 29; Brown Thrasher, 10; Robin, 60; Hermit Thrush, 1; Eastern Bluebird, 18; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 33; Water Pipit, 6; Cedar Waxwing, 45; Loggerhead Shrike, 32; Starling, **1,300,000**; **Solitary Vireo, 1**; Myrtle Warbler, 37; Pine Warbler, 17; House Sparrow, 250; Eastern Meadowlark, 357; Redwinged Blackbird, **2,500,000**; Rusty Blackbird, **300,000**; Common Grackle, **1,000,000**; Brown-headed Cowbird, **400,000**; Cardinal, 124; Purple Finch, 23; Pine Siskin, 4; Am. Goldfinch, 51; Rufous-sided Towhee, 93; Savannah Sparrow, 57; Vesper Sparrow, 15; **Bachman's Sparrow, 1**; Slate-colored Junco, 813; **Tree Sparrow, 8** (with juncos, all field marks, partial song—R.H.P.); Chipping Sparrow, 43; Field Sparrow, 656; White-throated Sparrow, 371; Fox Sparrow, 5; Swamp Sparrow, 52; Song Sparrow, 165. **Total,** 75 species; about 5,504,288 individuals. (Seen in area count period, but not on count day: Am. Coot.)—Mrs. Oris Frazee, Mr. and Mrs. Gaston Gage, J. H. Hobson, R. H. Peake, Jr. (compiler), R. D. Shipman.

233. **Columbia, S. C.** (all points within a 15-mile diameter circle, center State Capitol as last year; deciduous river and creek swamps 30%, pine woods 15%, open fields 40%, lake shores 5%, urban 10%). —Dec. 26; 7 a.m. to 5:30 p.m. Clear; temp. 26° to 62°; wind SE, 0-10 m.p.h. Seven observers in 3 parties. Total party-hours, 26 (22 on foot, 4 by car) total party-miles, 132 (22 on foot, 110 by car). ► Pied-billed Grebe, 18; Great Blue Heron, 4; Common Egret, 2; Mallard, 8; Shoveler, 1; Wood Duck, 1; Ring-necked Duck, 53; Hooded Merganser, 1; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 2; Marsh Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 16; Bobwhite, 55; Am. Coot, 13; Killdeer, 42; Am. Woodcock, 1; Common Snipe, 15; Herring Gull, 2; Ring-billed Gull, 328; Mourning Dove, 208; Belted Kingfisher, 10; Yellow-shafted Flicker, 47; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 2; Red-cockaded Woodpecker, 2; Eastern Phoebe, 3; Blue Jay, 84; Common Crow, 22; Carolina Chickadee, 34; Tufted Titmouse, 25; Brown-headed Nuthatch, 9; Carolina Wren, 23; Mockingbird, 31; Catbird, 1; Brown Thrasher, 17; Robin, 14; Hermit Thrush, 2; Eastern Bluebird, 9; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 59; Cedar Waxwing, 32; Loggerhead Shrike, 18; Starling, 346; Myrtle Warbler, 1; Pine Warbler, 7; Yellowthroat, 2; House Sparrow, 1047; Eastern Meadowlark, 983; Redwinged Blackbird, 14,227; Rusty Blackbird, 48; Common Grackle, 664; Brown-headed Cowbird, 900; Cardinal, 81; Am. Goldfinch, 42; Rufous-sided Towhee, 41; Savannah Sparrow, 79; Vesper Sparrow, 7; Slate-colored Junco, 271; Chipping Sparrow, 179; Field Sparrow, 124; White-throated Sparrow, 328; Swamp Sparrow, 11; Song Sparrow, 37. **Total,** 69 species; about 20,689 individuals.—Gilbert J. Bristow (compiler), Gordon Brown, Mrs. Charles Prather, Mrs. Clyde Sisson, Mrs. Vivian Smith, Mrs. Adair Tedards, Ebba Van.

234. **Eastover, S. C.** (all points within a 15-mile diameter circle, center Eastover as in former years; cultivated fields 33%, pasture 33%, residential 10%, deciduous and pine woods 14%, swampy areas around ponds 10%).—Dec. 30; 6 a.m. to 5 p.m. Occasional rain, clearing noon; temp. 44° to 58°; wind SW, 4 m.p.h. Three observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 25 (1 on foot, 24 by car). ► Pied-billed Grebe, 4; Canada Goose, 1; Wood Duck, 2; Ring-necked Duck, 11; Hooded Merganser, 12; Turkey Vulture, 2; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Bobwhite, 42; Killdeer, 35; Common Snipe, 5; Mourning Dove, 19; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Eastern Phoebe, 3; Blue Jay, 27; Common Crow, 2; Carolina Chickadee, 5; Tufted Titmouse, 3; Brown-headed Nuthatch, 2; House Wren, 2; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 7; Brown Thrasher, 10; Robin, 12; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 10; Water Pipit, 1; Cedar Waxwing, 34; Loggerhead Shrike, 10; Starling, 30; Myrtle Warbler, 6; Pine Warbler, 3; Palm Warbler, 1; House Sparrow, 101; Eastern Meadowlark, 155; Redwinged Blackbird, 300; Cardinal, 24; Dickcissel, 3; Am. Goldfinch, 15; Rufous-sided Towhee, 89; Savannah Sparrow, 11; Vesper Sparrow, 13; Slate-colored Junco, 96; Chipping Sparrow, 2; Field Sparrow, 20; White-throated Sparrow, 105; Fox Sparrow, 18; Swamp Sparrow, 1; Song Sparrow, 8. **Total,** 59 species; about 1296 individuals.—Mrs. W. H. Faver (compiler), Mrs. Clyde Sisson, Mrs. Ellison D. Smith.

235. **Hilton Head Island, S. C.** (all points within a 15-mile diameter circle, center Hilton Head Post Office, including Hilton Head and Pinckney Islands and Colleton Neck as in preceding years, plus parts of Bluffton; mixed woods 30%, fields and fresh ponds 25%, pine woods 10%, ocean and beach 10%, tidal rivers and mud flats 25%).—Dec. 31; 6 a.m. to 6 p.m. Overcast; temp. 35° to 60°; wind NNE, 10-15 m.p.h. Twenty-four observers in 11 parties. Total party-hours, 116; total party-miles, 373 (94 on foot, 275 by car, 4 by boat). ► Common Loon, 13; Horned Grebe, 41; Pied-billed Grebe, 13; Brown Pelican, 7; Gannet, 1; Double-crested Cormorant, 46; Anhinga, 20; Great Blue Heron, 17; Little Blue Heron, 24; **Cattle Egret, 1** (seen daily); Common Egret, 12; Snowy Egret, 26; Louisiana Heron, 11; Black-crowned Night Heron, 3; Mallard, 41; Black Duck, 33; Gadwall, 9; Pintail, 4; Green-winged Teal, 8; Blue-winged

Teal, 4; Am. Widgeon, 66; Wood Duck, 3; Lesser Scaup, 3; Bufflehead, 35; Surf Scoter, 12; Common Scoter, 850; Ruddy Duck, 4; Hooded Merganser, 30; Red-breasted Merganser, 4; Turkey Vulture, 39; Black Vulture, 80; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 4; Osprey, 3; Peregrine Falcon, 2; Sparrow Hawk, 52; Bobwhite, 75; Turkey, 48; Clapper Rail, 47; Common Gallinule, 2; Am. Coot, 19; Am. Oystercatcher, 3; Semipalmated Plover, 71; Piping Plover, 28; Killdeer, 46; Black-bellied Plover, 113; Ruddy Turnstone, 69; Common Snipe, 5; Willet, 28; Greater Yellowlegs, 7; Least Sandpiper, 3; Dunlin, 220; Short-billed Dowitcher, 175; Semipalmated Sandpiper, 72; Western Sandpiper, 127; Sanderling, 236; Herring Gull, 190; Ring-billed Gull, 64; Laughing Gull, 15; Bonaparte's Gull, 49; Forster's Tern, 26; Royal Tern, 2; Caspian Tern, 2; Mourning Dove, 167; Ground Dove, 4; Great Horned Owl, 1; Belted Kingfisher, 26; Yellow-shafted Flicker, 59; Pileated Woodpecker, 10; Red-bellied Woodpecker, 42; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 9; Downy Woodpecker, 15; Red-cockaded Woodpecker, 3; Eastern Phoebe, 11; Blue Jay, 35; Common Crow, 126; Fish Crow, 514; Carolina Chickadee, 17; Tufted Titmouse, 10; House Wren, 1; Winter Wren, 8; Carolina Wren, 21; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 38; Catbird, 4; Brown Thrasher, 11; Robin, 280; Hermit Thrush, 3; **Swainson's Thrush, 1** (studied ½ hr. in clear view); Eastern Bluebird, 49; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 15; **Water Pipit, 51**; Loggerhead Shrike, 72; Starling, 70; Solitary Vireo, 1; **Black-and-white Warbler, 1** (W.P.); Myrtle Warbler, 359; Yellow-throated Warbler, 2; Pine Warbler, 5; Palm Warbler, 2; Yellowthroat, 9; Eastern Meadowlark, 586; Redwinged Blackbird, 1130; Rusty Blackbird, 100; Boat-tailed Grackle, 117; Common Grackle, 150; Brown-headed Cowbird, 59; Cardinal, 121; Am. Goldfinch, 7; Rufous-sided Towhee, 37; Savannah Sparrow, 73; Sharp-tailed Sparrow, 2; Seaside Sparrow, 1; Vesper Sparrow, 38; Slate-colored Junco, 91; Chipping Sparrow, 155; Field Sparrow, 15; White-throated Sparrow, 158; Fox Sparrow, 3; Swamp Sparrow, 14; Song Sparrow, 86. **Total,** 129 species; about 8314 individuals.—Mr. and Mrs. W. H. Branch, Mr. and Mrs. Wallace Butler, Herman W. Coolidge, Violet Duane, Mr. and Mrs. Fred Hack, Mr. and Mrs. David Harrall, Alva Hines, Anna Hunter, Charlotte Inglesby, Imogen Lowden, Mr. and Mrs. G. H. McBride, Caroline Newhall (compiler), Dave Pearson, William Post, Jr., Jennie Seargent, Ronald C. Simons, Phyllis Stone, Ivan R. Tomkins, Gladys Wilde.

236. Santee National Wildlife Refuge, S. C. (all points within a 15-mile diameter circle, center on road crossing Taw Caw Creek ¾ miles south of Davis Crossroads; includes most of Clarendon County portion of refuge land area; pasture, open fields 20%, suburbs 10%, marsh, swamp, and water 40%, mixed hardwood and pine forest 30%).—Dec. 22; 7:30 a.m. to 5:30 p.m.; temp. 25° to 45°; wind N, 10-15 m.p.h. Eight observers in 3 parties. Total party-hours, 30; total party-miles, 35 (10 on foot, 25 by car). ► Pied-billed Grebe, 19; Great Blue Heron, 28; Common Egret, 27; Black-crowned Night Heron, 1; Am. Bittern, 1; Canada Goose, 4000; Mallard, 1000; Black Duck, 120; Gadwall, 220; Pintail, 1700; Green-winged Teal, 92; Am. Widgeon, 450; Shoveler, 60; Wood Duck, 10; Ring-necked Duck, 3; Ruddy Duck, 28; Hooded Merganser, 18; Red-breasted Merganser, 5; Turkey Vulture, 9; Black Vulture, 42; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 6; Bald Eagle, 1; Marsh Hawk, 16; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 45; Bobwhite, 110; Am. Coot, 2000; Killdeer, 82; Black-bellied Plover, 4; Common Snipe, 5; Spotted Sandpiper, 10; Sanderling, 5; Herring Gull, 3; Ring-billed Gull, 65; Mourning Dove, 17; Belted Kingfisher, 18; Yellow-shafted Flicker, 47; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Eastern Phoebe, 15; Blue Jay, 22; Common Crow, 87; Carolina Chickadee, 9; Tufted Titmouse, 6; Brown-headed Nuthatch, 11; Brown Creeper, 1; House Wren, 1; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 25; Brown Thrasher, 8; Hermit Thrush, 3; Eastern Bluebird, 2; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 42; Water Pipit, 3000; Loggerhead Shrike, 63; Starling, 430; Myrtle Warbler, 81; Pine Warbler, 32; Palm Warbler, 41; House Sparrow, 70; Eastern Meadowlark, 1200; Redwinged Blackbird, 2700; Common Grackle, 225; Cardinal, 217; Am. Goldfinch, 25; Rufous-sided Towhee, 59; Savannah Sparrow, 120; Vesper Sparrow, 49; Slate-colored Junco, 372; Chipping Sparrow, 212; Field Sparrow, 115; White-throated Sparrow, 300; Fox Sparrow, 7; Swamp Sparrow, 23; Song Sparrow, 248. **Total,** 83 species; about 20,123 individuals.—Gordon Brown, G. J. Bristow, Art Buehler, L. B. DuBose, Frank McGilvrey, C. G. Prather, Mrs. C. G. rather, William A. Reid (compiler).

237. Spartanburg, S. C. (all points within a 15-mile diameter circle, center Spartanburg, including Zimmerman, Pierce and Johnson Lakes, Sewage Disposal plant; open farmlands 10%, town suburbs 20%, mixed woodlands 25%, fresh-water lakes and marshes 45%).—Jan. 2; 8 a.m. to 5:30 p.m. Clear; temp. 45° to 51°; wind SW, 4-15 m.p.h. Seven observers in 3 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 60 (8 on foot, 52 by car). ► Horned Grebe, 2; Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 20; Greater Scaup, 2; Bufflehead, 2; **Oldsquaw, 1** (daily Dec. 28-Jan. 4); Turkey Vulture, 1; Black Vulture, 5; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Killdeer, 27; Mourning Dove, 30; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 16; Blue Jay, 28; Common Crow, 19; Carolina Chickadee, 9; Tufted Titmouse, 18; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 5; Mockingbird, 11; Brown Thrasher, 5; Robin, 2; Eastern Bluebird, 7; Golden-crowned King-

let, 1; Ruby-crowned Kinglet, 3; Water Pipit, 24; Cedar Waxwing, 70; Loggerhead Shrike, 10; Starling, 78; Myrtle Warbler, 5; Pine Warbler, 1; House Sparrow, 35; Eastern Meadowlark, 31; Redwinged Blackbird, 80; Cardinal, 24; Purple Finch, 1; Am. Goldfinch, 10; Rufous-sided Towhee, 17; Savannah Sparrow, 3; Slate-colored Junco, 139; Chipping Sparrow, 4; Field Sparrow, 35; White-crowned Sparrow, 4; White-throated Sparrow, 45; Swamp Sparrow, 1; Song Sparrow, 13. **Total,** 57 species; about 873 individuals.—Louisa Carlisle, Ruth Crick (compiler), Paul Crosby, Margaret Hammond, Mrs. Louise Spivey, J. O. Watkins, Mrs. J. O. Watkins.

238. **Atlanta, Ga.** (all points within a 15-mile diameter circle, center State Capitol Bldg.; fields 10%, ponds and streams 15%, parks 10%, mixed woods 30%, marsh 2%, roadsides 5%, residential 28%).—Jan. 2; 6 a.m. to 6 p.m. Dense fog until noon; temp. 31° to 44°; wind variable, 10-20 m.p.h. Twenty-three observers in 7 parties. Total party-hours, 56 (42 on foot, 14 by car); total party-miles, 238 (28 on foot, 210 by car). ► Pied-billed Grebe, 13; Wood Duck, 1; Ring-necked Duck, 19; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Sparrow Hawk, 4; Bobwhite, 33; Am. Coot, 32; Killdeer, 42; Common Snipe, 5; Mourning Dove, 76; Barn Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 38; Pileated Woodpecker, 5; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 23; Eastern Phoebe, 2; Horned Lark, 9; Blue Jay, 126; Common Crow, 105; Carolina Chickadee, 157; Tufted Titmouse, 119; White-breasted Nuthatch, 42; Brown-headed Nuthatch, 13; Brown Creeper, 3; House Wren, 2; Winter Wren, 3; Carolina Wren, 49; Mockingbird, 67; Brown Thrasher, 29; Robin, 66; Hermit Thrush, 2; Eastern Bluebird, 60; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 11; Water Pipit, 15; Cedar Waxwing, 162; Loggerhead Shrike, 4; Starling, 1400; Myrtle Warbler, 2; Pine Warbler, 14; Yellowthroat, 2; House Sparrow, 126; Eastern Meadowlark, 65; Redwinged Blackbird, 2000+; Rusty Blackbird, 76; Common Grackle, 1200+; Brown-headed Cowbird, 300; Cardinal, 80; Purple Finch, 21; Am. Goldfinch, 140; Rufous-sided Towhee, 122; Savannah Sparrow, 47; Vesper Sparrow, 16; Slate-colored Junco, 600+; Chipping Sparrow, 112; Field Sparrow, 160; White-throated Sparrow, 126; Fox Sparrow, 16; Swamp Sparrow, 86; Song Sparrow, 300. **Total,** 69 species; about 8442 individuals.—Mrs. Sam Anderson, Sam Austin, Scott Austin, Glenn Bell, Stephen Bowling, Jimmy Cook, Tom Collum, Mrs. James K. Dobbs, Louis Fink, Rufus B. Godwin (compiler), William Griffin, Mr. and Mrs. Francis Hill, Craig Hill, Mr. and Mrs. Vernon Hill, Ed W. Lamb, Mrs. Joseph Mendeloff, A. J. Murphy, Robert Overing, Mrs. Georgine Pender, Don Singleterry, Ruth Stamm.

239. **Brunswick, Ga.** (all points within a 15-mile diameter circle, center 5 miles north of St. Simons Island toll bridge, including St. Simons Island, Sea Island, part of Altamaha Waterfowl Management Area; oak forest 25%, pine forest 25%, fresh-water ponds and marshes 20%, mud flats 10%, ocean beach 10%, salt marsh 5%, open fields 5%).—Dec. 26; 5:30 a.m. to 9:30 p.m. Partly cloudy; temp. 34° to 64°; wind N, 1-3 m.p.h. Two observers in 1 party. Total party-hours, 16 (7 on foot, 9 by car); total party-miles, 119 (9 on foot, 110 by car). ► Common Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 7; Brown Pelican, 4; Double-crested Cormorant, 6; Anhinga, 5; Great Blue Heron, 4; Little Blue Heron, 252; Common Egret, 33; Snowy Egret, 94; Louisiana Heron, 41; Mallard, 22; Gadwall, 15; Pintail, 42; Green-winged Teal, 140; Blue-winged Teal, 8; Am. Widgeon, 52; Shoveler, 18; Wood Duck, 327; Ring-necked Duck, 12; Canvasback, 1; Lesser Scaup, 6; Bufflehead, 7; Ruddy Duck, 88; Hooded Merganser, 1; Red-breasted Merganser, 5; Turkey Vulture, 16; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 10; Clapper Rail, 28; Sora, 9; Common Gallinule, 12; Am. Coot, 1200; Semipalmated Plover, 41; Piping Plover, 4; Killdeer, 7; Black-bellied Plover, 46; Common Snipe, 1; **Long-billed Curlew, 2** (75 ft. with 20 X scope); Willet, 2; Least Sandpiper, 1; Dunlin, 270; Semipalmated Sandpiper, 220; Western Sandpiper, 250; **Marbled Godwit, 9**; Sanderling, 10; Herring Gull, 174; Ring-billed Gull, 129; Laughing Gull, 6; Bonaparte's Gull, 4; Forster's Tern, 65; Royal Tern, 35; Black Skimmer, 80; Mourning Dove, 23; Screech Owl, 7; Great Horned Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 46; Pileated Woodpecker, 1; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 10; Downy Woodpecker, 5; Eastern Phoebe, 5; Tree Swallow, 66; Blue Jay, 96; Common Crow, 12; Fish Crow, 127; Carolina Chickadee, 18; Brown-headed Nuthatch, 6; Brown Creeper, 3; House Wren, 5; Carolina Wren, 9; Long-billed Marsh Wren, 3; Mockingbird, 44; Catbird, 1; Brown Thrasher, 3; Robin, 12; Hermit Thrush, 2; Eastern Bluebird, 4; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 31; Water Pipit, 1; Loggerhead Shrike, 8; Starling, 92; White-eyed Vireo, 2; Solitary Vireo, 1; **Black-and-white Warbler, 3**; Orange-crowned Warbler, 2; Myrtle Warbler, 99; Pine Warbler, 1; Palm Warbler, 7; Yellowthroat, 2; House Sparrow, 4; Eastern Meadowlark, 19; Redwinged Blackbird, 266; Boat-tailed Grackle, 231; Common Grackle, 11; Cardinal, 26; Am. Goldfinch, 12; Rufous-sided Towhee, 24; Savannah Sparrow, 5; Seaside Sparrow, 4; Vesper Sparrow, 12; Slate-colored Junco, 2; Chipping Sparrow, 4; Field Sparrow, 3; White-throated Sparrow, 15; Fox Sparrow, 3; Swamp Sparrow, 19; Song, Sparrow, 26. **Total,** 114 species; about 5310 individuals. (Seen in area count period, but not on count day: Yellow-crowned Night Heron, Redhead, Black Vulture, Ground Dove, Short-eared Owl, **Whip-poor-will,** Short-billed Marsh Wren.)—Alan M. Craig (compiler), Jean T. Craig.

240. **Columbus, Ga.** (all points within a 15-mile diameter circle, center 8.5 miles north of Courthouse, including Lake Huston and south part of Lake Harding; pinelands 30%, lakes 20%, parks 5%, yards 5%,

mixed woods and edges 10%, pastures 30%).—Dec. 31; 6:30 a.m. to 5 p.m. Light, then heavy rain; temp. 37° to 61°; wind SW, 0-10 m.p.h.; 0.77-in. rain. Eighteen observers in 7 parties. Total party-hours, 53 (32 on foot, 16 by car, 5 by boat); total party-miles, 270 (40 on foot, 200 by car, 30 by boat). ► Common Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 4; Great Blue Heron, 7; Mallard, 9; **Blue-winged Teal, 4**; Ring-necked Duck, 100; Lesser Scaup, 12; Bufflehead, 10; Hooded Merganser, 1; Turkey Vulture, 1; Black Vulture, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 8; Bobwhite, 122; Killdeer, 27; **Am. Woodcock, 1**; Common Snipe, 3; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 540; **Ground Dove, 3**; Screech Owl, 1; Great Horned Owl, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 27; Pileated Woodpecker, 4; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 11; Downy Woodpecker, 16; Red-cockaded Woodpecker, 1; Eastern Phoebe, 9; Blue Jay, 130; Common Crow, 39; Carolina Chickadee, 74; Tufted Titmouse, 58; Brown-headed Nuthatch, 73; Brown Creeper, 16; House Wren, 1; Winter Wren, 5; Carolina Wren, 34; Mockingbird, 79; Brown Thrasher, 15; Robin, 8; Hermit Thrush, 6; Eastern Bluebird, 8; **Blue-gray Gnatcatcher, 1**; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 107; Water Pipit, 50; Cedar Waxwing, 1000; Loggerhead Shrike, 10; Starling, 388; **Orange-crowned Warbler, 1**; Myrtle Warbler, 262; Pine Warbler, 320; Yellowthroat, 3; House Sparrow, 610; Eastern Meadowlark, 250; Redwinged Blackbird, 712; Rusty Blackbird, 100; **Brewer's Blackbird, 10**; Common Grackle, 77; Brown-headed Cowbird, 200; Cardinal, 274; Purple Finch, 8; Pine Siskin, 3; Am. Goldfinch, 134; Rufous-sided Towhee, 136; Savannah Sparrow, 19; Vesper Sparrow, 18; Slate-colored Junco, 606; Chipping Sparrow, 91; Field Sparrow, 32; White-throated Sparrow, 431; Fox Sparrow, 10; Swamp Sparrow, 7; Song Sparrow, 51; **Total,** 82 species; about 7469 individuals. (Seen in area count period, but not on count day: Palm Warbler.)—Maurice Baker, Sumpter Blackmon, Sue Chambliss, Mrs. Marion Clemmons, Ernest L. Corley, Julian L. Dusi, Mrs. Rosemary Dusi, William Goslin, Mrs. Walter Jones, Margaret Jordan, Mrs. Jane Knight, Mrs. Florence Lynn, Mrs. Vera Milner, Mrs. Carolyn Miner, Rebekah Patrick, Mrs. F. G. Pierce, L. A. Wells (compiler), Mrs. Roberta Wells.

241. Dalton, Ga. (all points within a 15-mile diameter circle, center 2 miles north of Dalton on Highway 71; mixed woods 30%, fields, pastures 30%, ponds, streams 25%, roadside 10%, marsh 5%).—Dec. 26; 7:30 a.m. to 6:15 p.m., also 9 to 10:30 p.m. Cloudy, intermittent sunshine; temp. 36° to 56°; wind SW, 0-20 m.p.h. Thirteen observers in 3 parties. Total party-hours, 24 (8 on foot, 16 by car); total party-miles, 109 (17 on foot, 92 by car). ► Canada Goose, 41; Black Duck, 1; Lesser Scaup, 2; Turkey Vulture, 102; Black Vulture, 11; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 3; Bobwhite, 19; Killdeer, 11; Common Snipe, 3; Mourning Dove, 27; Screech Owl, 2; Great Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 12; Blue Jay, 71; Common Crow, 54; Carolina Chickadee, 31; Tufted Titmouse, 31; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Bewick's Wren, 6; Carolina Wren, 16; Mockingbird, 46; Catbird, 2; Brown Thrasher, 7; Robin, 5; Hermit Thrush, 2; Eastern Bluebird, 43; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 7; Starling, 3808; Myrtle Warbler, 2; House Sparrow, 151; Eastern Meadowlark, 1073; Redwinged Blackbird, 823; Rusty Blackbird, 31; Brewer's Blackbird, **100**; Common Grackle, 961; Brown-headed Cowbird, 131; blackbird (sp.), 5000; Cardinal, 101; Purple Finch, 1; Am. Goldfinch, 74; Rufous-sided Towhee, 63; Savannah Sparrow, 35; Vesper Sparrow, 5; Slate-colored Junco, 54; Chipping Sparrow, 8; Field Sparrow, 133; White-throated Sparrow, 64; Fox Sparrow, 9; Swamp Sparrow, 9; Song Sparrow, 43. **Total,** 62 species; about 13,279 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Pine Warbler.)—Ed Collum, Tom Collum, Chloe Cox, Ruth Cox, Mrs. W. C. Cox, Sr., Mrs. R. E. Hamilton (compiler), Neal Herring, Mrs. Sibyl Kerr, Mrs. Hermon King, Mrs. Rose H. Martin, Warren Martin, Mrs. F. M. Munn, Carl Smith.

242. Demorest, Ga. (all points within a 15-mile diameter circle, center Demorest; altitude 1000-1830 ft.).—Dec. 27; 8 a.m. to 5:20 p.m. Early fog, then clear; temp. 30° to 57°; wind N, 0-5 m.p.h.; lakes partly covered with ice. One observer. Total hours, 9 (1 on foot, 8 by car); total miles, 40 (3 on foot, 37 by car). ► Pied-billed Grebe, 2; Turkey Vulture, 3; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Killdeer, 1; Mourning Dove, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 6; Red-bellied Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 9; Common Crow, 30; Carolina Chickadee, 20; Tufted Titmouse, 13; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 4; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 15; Mockingbird, 19; Eastern Bluebird, 15; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 1; Starling, 63; Myrtle Warbler, 1; Pine Warbler, 1; Yellowthroat, 1; House Sparrow, 12; Eastern Meadowlark, 16; Cardinal, 23; Purple Finch, 1; Am. Goldfinch, 5; Rufous-sided Towhee, 28; Savannah Sparrow, 30; Slate-colored Junco, 118; Chipping Sparrow, 1; Field Sparrow, 27; White-throated Sparrow, 67; Song Sparrow, 93. **Total,** 42 species; about 675 individuals. (Seen in area count period, but not on count day: Yellow-bellied Sapsucker, Hairy Woodpecker, House Wren, Robin, Cedar Waxwing, Redwinged Blackbird, Swamp Sparrow.)—Edward G. Nichols.

243. Ida Cason Callaway Gardens, Ga. (within 2500 acres near Pine Mountain; abandoned fields and golf course 20%, lakes and ponds 20%, pine and mixed woods 60%).—Jan. 1; 7 a.m. to 4:30 p.m. Clear; temp. 35° to 52°; wind NW, 10-25 m.p.h.

Seven observers in 3 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 75 (20 on foot, 55 by car). ► Horned Grebe, 1; Pied-billed Grebe, 6; Great Blue Heron, 1; Canada Goose, 32; Mallard, 8; Black Duck, 1; Am. Widgeon, 6; Redhead, 3; Canvasback, 6; Ruddy Duck, 6; Hooded Merganser, 2; Turkey Vulture, 9; Black Vulture, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 1; Bobwhite, 25; Am. Coot, 2; Killdeer, 10; Mourning Dove, 1; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 20; Pileated Woodpecker, 6; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 20; Eastern Phoebe, 4; Blue Jay, 35; Common Crow, 54; Carolina Chickadee, 56; Tufted Titmouse, 10; Brown-headed Nuthatch, 78; Brown Creeper, 2; Carolina Wren, 13; Short-billed Marsh Wren, 1; Mockingbird, 24; Brown Thrasher, 2; Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 36; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 55; Water Pipit, 17; Loggerhead Shrike, 3; Starling, 4; Myrtle Warbler, 200; Pine Warbler, 5; House Sparrow, 15; Eastern Meadowlark, 50; Redwinged Blackbird, 200; Cardinal, 59; Purple Finch, 3; Am. Goldfinch, 51; Rufous-sided Towhee, 50; Savannah Sparrow, 253; Slate-colored Junco, 500; Chipping Sparrow, 345; Field Sparrow, 200; White-throated Sparrow, 75; Fox Sparrow, 10; Swamp Sparrow, 12; Song Sparrow, 50. **Total,** 66 species; about 2693 individuals.—Mrs. Allan Dodson, Mrs. Walter Jones, Mrs. Vera Milner, Mrs. F. G. Pierce, L. A. Wells (compiler), Mrs. Roberta Wells, Mrs. J. H. Whiteman.

244. Milledgeville, Ga. (all points within a 15-mile diameter circle, center on junction of U. S. 441 and Vinson Road, including Airport, Fort Wilkinson, Lake Sinclair dam, Belldock Farm; mixed pine and hardwoods 35%, fields and pastures 45%, lake and ponds 10%, residential 10%).—Jan. 2; 6:30 a.m. to 6 p.m. Fair to cloudy; temp. 37° to 59°; wind NE, 10 m.p.h. Eight observers in 1 party. Total party-hours, 11½ (3½ on foot, 8 by car); total party-miles, 59 (10 on foot, 49 by car). ► Canvasback, 1; Turkey Vulture, 1; Black Vulture, 11; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 5; Killdeer, 8; Herring Gull, 40; Ring-billed Gull, 500; Mourning Dove, 3; Barn Owl, 4; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 4; Blue Jay, 35; Common Crow, 27; Carolina Chickadee, 3; Tufted Titmouse, 1; Carolina Wren, 6; Mockingbird, 14; Brown Thrasher, 3; Robin, 4; Eastern Bluebird, 7; Ruby-crowned Kinglet, 3; Water Pipit, 75; Cedar Waxwing, 21; Loggerhead Shrike, 4; Starling, **214,000**; Myrtle Warbler, 25; Pine Warbler, 9; House Sparrow, 267; Eastern Meadowlark, 110; Redwinged Blackbird, **357,000**; Common Grackle, **143,000**; Brown-headed Cowbird, **285,000**; Cardinal, 30; Rufous-sided Towhee, 21; Savannah Sparrow, 5; Vesper Sparrow, 2; Slate-colored Junco, 57; Chipping Sparrow, 83; Field Sparrow, 42; White-throated Sparrow, 27; Swamp Sparrow, 2; Song Sparrow, 57. **Total,** 49 species; about 1,000,543 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker, Brown Creeper, Catbird.)—Mrs. Selma Erwin, Mrs. D. F. Folger, Mrs. H. C. Jones, Harold C. Jones (compiler), Sara L. Nelson, Mrs. Jesse Newsome, Mrs. W. T. Smith, Katherine Weaver (Milledgeville Audubon Society).

245. Okefenokee National Wildlife Refuge, Ga. (all points within a 15-mile diameter circle, center on Trail Ridge near intersection of Ridge Road and Gowan Tower Road about 4 miles north of Camp Cornelia; westward on refuge to forks of Suwannee Canal, northward to Mattox corner, eastward to St. Mary's River, including Folkston, southward to include Chesser Island; swamp watercourse 10%, swamp prairies 35%, open fields and borders 30%, pine barrens 20%, deciduous forest and river bottoms 2%, urban 3%).—Jan. 2; 4:15 a.m. to 5:15 p.m. Partly cloudy; temp. 41° to 63°; wind N, 0-2 m.p.h. Nineteen observers in 6 parties. Total party-hours, 52 (21 on foot, 9 by car, 22 by boat); total party-miles, 174 (23 on foot, 113 by car, 38 by boat). ► Pied-billed Grebe, 3; Anhinga, 28; Great Blue Heron, 45; Little Blue Heron, 7; Common Egret, 92; Snowy Egret, 1; Am. Bittern, 1; White Ibis, 25; Mallard, 265; Black Duck, 64; Pintail, 2; Green-winged Teal, 4; Blue-winged Teal, 50; Am. Widgeon, 53; Wood Duck, **232**; Ring-necked Duck, 79; Ruddy Duck, 1; Hooded Merganser, 10; Turkey Vulture, 90; Black Vulture, 71; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 44; Marsh Hawk, 6; Sparrow Hawk, 21; Bobwhite, 31; Sandhill Crane, 18; Common Gallinule, 1; Am. Coot, 19; Killdeer, 14; Common Snipe, 60; **Herring Gull, 5**; Mourning Dove, 40; Ground Dove, 4; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 72; Pileated Woodpecker, **52**; Red-bellied Woodpecker, 56; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 20; Hairy Woodpecker, 1; Downy Woodpecker, 11; Red-cockaded Woodpecker, 7; Eastern Phoebe, 56; Tree Swallow, 654; Blue Jay, 42; Common Crow, 67; Carolina Chickadee, 20; Tufted Titmouse, 7; Brown-headed Nuthatch, 27; House Wren, 23; Carolina Wren, 33; Short-billed Marsh Wren, 1; Mockingbird, 129; Catbird, 85; Brown Thrasher, 5; Robin, 4807; Hermit Thrush, 3; Eastern Bluebird, 40; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 44; Loggerhead Shrike, 28; Starling, 2; Solitary Vireo, 1; Black-and-white Warbler, 2; Orange-crowned Warbler, 6; Myrtle Warbler, 1447; Pine Warbler, 20; Palm Warbler, 10; Yellowthroat, 26; House Sparrow, 25; Eastern Meadowlark, 291; Redwinged Blackbird, 2434; **Baltimore Oriole, 1**; Common Grackle, 9; Brown-headed Cowbird, 1; Cardinal, 39; Purple Finch, 5; Am. Goldfinch, 75; Rufous-sided Towhee, 77; Savannah Sparrow, 31; Vesper Sparrow, 67; Bachman's Sparrow, 2; Slate-colored Junco, 17; Chipping Sparrow, 364; Field Sparrow, 37; White-throated Sparrow, 112; Swamp Sparrow, 2; Song Sparrow, 24. **Total,** 91 species; about 12,831 individuals.—Sidney Clark, Alan Craig, Jean Craig, Eugene Cypert (compiler), Mary Louise Cypert, Rose Forney, Byron Groszmann, Lois Groszmann, Kelly Lee, Rebecca Middleton, Roy Moore, Jane Park, James

Roberts, Mrs. H. E. Robinson, Jr., Mrs. W. J. Sanders, Margaret Scott, Jerald Thomas, John Weld, Jane Whiteman.

246. Rome, Ga. (all points within a 15-mile diameter circle, center at Second and Broad Streets, including Jones Lake, Paris Lake, Wax Lake, Darlington School, Rome Nature Park, Berry Schools, Russell Airport; pasture and stubble 25%, pine woods 40%, deciduous woods 15%, lake shore 10%, town suburbs 10%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 35° to 48°; wind SE, 6-12 m.p.h. Eleven observers in 5 parties. Total party-hours, 84 (35 on foot, 49 by car); total party-miles, 404 (26 on foot, 378 by car). ► Horned Grebe, 2; Pied-billed Grebe, 45; Mallard, 4; Redhead, 2; Ring-necked Duck, 45; Canvasback, 5; Lesser Scaup, 5; Common Goldeneye, 2; Bufflehead, 6; Ruddy Duck, 4; Hooded Merganser, 1; Turkey Vulture, 16; Black Vulture, 8; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 7; Bobwhite, 38; Sora, 1; Am. Coot, 6; Killdeer, 71; Am. Woodcock, 2; Common Snipe, 3; Least Sandpiper, 2; Mourning Dove, 78; Barn Owl, 1; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 34; Pileated Woodpecker, 2; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 13; Red-cockaded Woodpecker, 4; Eastern Phoebe, 5; Horned Lark, 81; Blue Jay, 157; Common Crow, 558; Carolina Chickadee, 60; Tufted Titmouse, 111; White-breasted Nuthatch, 15; Brown-headed Nuthatch, 3; Brown Creeper, 4; Winter Wren, 8; Bewick's Wren, 2; Carolina Wren, 34; Mockingbird, 108; Brown Thrasher, 7; Robin, 13; Hermit Thrush, 2; Eastern Bluebird, 95; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 26; Water Pipit, 9; Cedar Waxwing, 48; Loggerhead Shrike, 23; Starling, 2100; Myrtle Warbler, 7; Pine Warbler, 17; Palm Warbler, 6; House Sparrow, 394; Eastern Meadowlark, 501; Redwinged Blackbird, 151; Rusty Blackbird, 76; **Brewer's Blackbird, 10**; Brown-headed Cowbird, 2; Cardinal, 220; Purple Finch, 2; Pine Siskin, 2; Am. Goldfinch, 43; Rufous-sided Towhee, 212; Savannah Sparrow, 6; Vesper Sparrow, 1; Slate-colored Junco, 605; Chipping Sparrow, 108; Field Sparrow, 354; White-throated Sparrow, 417; Fox Sparrow, 13; Swamp Sparrow, 20; Song Sparrow, 135. **Total,** 84 species; about 7253 individuals. (Seen in area count period, but not on count day: Am. Widgeon, Oldsquaw, Yellowthroat.)—H. Gordon Anderson, B. L. Eberhart, Phil M. Ham, Mrs. J. L. Henderson, Mrs. Wright King, Wilson Lovett, R. H. Lux, Ben Maulsby (compiler), Louise Nunnally, George Poulsen, Mrs. Harlan Starr (Floyd County Audubon Society).

247. Sapelo Island, Ga. (all points within a 15-mile diameter circle, center Sapelo Island, 10 miles long and 3 miles wide, separated from mainland by extensive estuaries and salt marshes; fresh-water ponds and marshes 20%, ocean beach 20%, habitation grounds 20%, salt marshes and estuaries 10%, oak forest 10%, pine forest 10%, open fields and pastures 10%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 50° to 55°; wind ENE, 5-15 m.p.h. Three observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 25 (5 on foot, 20 by car). ► Horned Grebe, 2; Pied-billed Grebe, 1; Brown Pelican, 13; Double-crested Cormorant, 75; Great Blue Heron, 2; Green Heron, 1; Little Blue Heron, 2; Common Egret, 9; Snowy Egret, 1; Louisiana Heron, 5; Mallard, 12; Black Duck, 6; Pintail, 5; Green-winged Teal, 2; Blue-winged Teal, 1; Am. Widgeon, 1; Wood Duck, 4; Ring-necked Duck, 1; Canvasback, 1; Lesser Scaup, 3125; Ruddy Duck, 9; Hooded Merganser, 16; Common Merganser, 6; Turkey Vulture, 29; Black Vulture, 3; Red-tailed Hawk, 1; Bald Eagle, 1; Osprey, 1; Sparrow Hawk, 5; Turkey, 3; Clapper Rail, 5; Common Gallinule, 20; Am. Coot, 33; Am. Oystercatcher, 2; Semipalmated Plover, 10; Killdeer, 4; Black-bellied Plover, 35; Ruddy Turnstone, 50; Common Snipe, 4; Spotted Sandpiper, 2; Willet, 38; Greater Yellowlegs, 2; Knot, **2500** [highest in U. S. last year 221; no details about this concentration—Ed.]; Least Sandpiper, 25; Dunlin, 502; Sanderling, 50; Herring Gull, 125; Ring-billed Gull, 225; Laughing Gull, 6; Bonaparte's Gull, 4; Forster's Tern, 3; Black Skimmer, 10; Mourning Dove, 15; Belted Kingfisher, 8; Yellow-shafted Flicker, 20; Pileated Woodpecker, 8; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Eastern Phoebe, 8; Tree Swallow, 300; Common Crow, 60; Fish Crow, 200; Carolina Chickadee, 3; Brown-headed Nuthatch, 2; House Wren, 2; Carolina Wren, 8; Long-billed Marsh Wren, 9; Mockingbird, 10; Brown Thrasher, 8; Robin, 25; Hermit Thrush, 6; Eastern Bluebird, 15; Ruby-crowned Kinglet, 25; Loggerhead Shrike, 8; Starling, 150; Myrtle Warbler, **500**; Yellow-throated Warbler, 2; Pine Warbler, 1; Palm Warbler, 50; Yellowthroat, 5; Eastern Meadowlark, 40; Redwinged Blackbird, 5000; Boat-tailed Grackle, 1055; Cardinal, 100; Am. Goldfinch, 30; Rufous-sided Towhee, 8; Savannah Sparrow, 212; Sharp-tailed Sparrow, 1; Seaside Sparrow, 3; Vesper Sparrow, 2; Field Sparrow, 3; White-throated Sparrow, 150; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 40. **Total,** 97 species; about 15,105 individuals. (Seen in area count period, but not on count day: Yellow-crowned Night Heron, Shoveler, Marsh Hawk, Chachalaca [introduced over 30 years ago], Common Tern.)—John P. Anderson, Herbert W. Kale (compiler), John Drury Simpson.

248. Sherwood and Birdsong Plantations, Ga. (all points within 1500 acres in Grady County; open fields and pastures 30%, pinelands and mixed hardwoods 50%, gum swamp, upland hammock and ponds 20%; 2 ponds dry, 8 full).—Jan. 2; 6 a.m. to 7:30 p.m. Clear to partly cloudy; temp. 44° to 50°; wind NW, 0-8 m.p.h. One observer. Total hours, 12½ (9 on foot, 2 by car, 1½ at feeders); total miles, 37 (13 on foot, 24 by car). ► Anhinga, 5; Great Blue Heron, 1; Wood Duck, 5; Ring-necked Duck, 65; Turkey Vulture, 100; Black Vulture, 475; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Bobwhite, 83; Turkey, 125; Killdeer, 3; Mourning Dove, 27; Screech Owl, 1; Great Horned Owl, 4;

Barred Owl, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 24; Pileated Woodpecker, 7; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Red-cockaded Woodpecker, 1; Eastern Phoebe, 3; Blue Jay, 22; Common Crow, 16; Carolina Chickadee, 9; Tufted Titmouse, 15; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 6; Brown Creeper, 1; House Wren, 2; Carolina Wren, 14; Mockingbird, 8; Brown Thrasher, 9; Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 12; Ruby-crowned Kinglet, 11; Loggerhead Shrike, 2; Starling, 20; Solitary Vireo, 1; Black-and-white Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 10; Yellow-throated Warbler, 1; Pine Warbler, 19; House Sparrow, 4; Eastern Meadowlark, 38; Redwinged Blackbird, 244; Brown-headed Cowbird, 1; Cardinal, 76; Am. Goldfinch, 23; Rufous-sided Towhee, 25; Savannah Sparrow, 10; Henslow's Sparrow, 1; Vesper Sparrow, 34; Slate-colored Junco, 24; Chipping Sparrow, 150; Field Sparrow, 3; White-throated Sparrow, 90; Swamp Sparrow, 12; Song Sparrow, 9. **Total,** 64 species; about 1904 individuals. (Seen in area count period, but not on count day: Common Egret, Cooper's Hawk.)—Herbert L. Stoddard, Sr.

249. Bradenton, Fla. (all points within a 15-mile diameter circle, center Warner's Bayou, Manatee River; gulf and beaches 4%, bay and bayshores 35%, rivers and bayou 6%, inhabited areas 11%, salt marsh and mangrove 3%, farm, ranch and groves 30%, mixed woods 10%, fresh-water lakes, ponds 1%).—Dec. 29; 7 a.m. to 6 p.m. Fair, early fog on bays; temp. 56° to 68°; wind ENE, 4-8 m.p.h. Thirty-one observers in 15 parties. Total party-hours, 114 (67 on foot, 47 by car); total party-miles, 454 (56 on foot, 398 by car). ► Common Loon, 9; Pied-billed Grebe, 3; Brown Pelican, 185; Double-crested Cormorant, 97; Anhinga, 26; Great Blue Heron, 50; Green Heron, 10; Little Blue Heron, 127; Cattle Egret, 67; Common Egret, 188; Snowy Egret, 232; Louisiana Heron, 39; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 25; Wood Ibis, 383; White Ibis, 5; Mottled Duck, 20; Blue-winged Teal, 10; Lesser Scaup, 8; Red-breasted Merganser, 96; Turkey Vulture, 186; Black Vulture, 424; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 8; Bald Eagle, 8; Marsh Hawk, 21; Osprey, 1; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 108; Bobwhite, 110; Clapper Rail, 3; Common Gallinule, 22; Am. Coot, 13; Semipalmated Plover, 188; Snowy Plover, 1; Wilson's Plover, 79; Killdeer, 113; Black-bellied Plover, 148; Ruddy Turnstone, 199; Common Snipe, 4; Whimbrel, 3; Spotted Sandpiper, 15; Willet, 262; Greater Yellowlegs, 3; Lesser Yellowlegs, 10; Knot, 29; Least Sandpiper, 146; Dunlin, 662; Short-billed Dowitcher, 69; Semipalmated Sandpiper, 470; Western Sandpiper, 19; Marbled Godwit, 12; Sanderling, 232; Herring Gull, 222; Ring-billed Gull, 3097; Laughing Gull, 703; Bonaparte's Gull, 4; Forster's Tern, 65; Royal Tern, 237; Sandwich Tern, 8; Caspian Tern, 4; Black Skimmer, 416; Mourning Dove, 484; Ground Dove, 61; Great Horned Owl, 6; **Chuck-will's-widow, 1** (present all fall—A.H.); Belted Kingfisher, 71; Yellow-shafted Flicker, 69; Pileated Woodpecker, 1; Red-bellied Woodpecker, 47; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 6; **Gray Kingbird, 2** (carefully identified—Brettles); **Scissor-tailed Flycatcher, 1**; Eastern Phoebe, 9; Tree Swallow, 1063; Blue Jay, 158; Scrub Jay, 3; Common Crow, 3; Fish Crow, 151; Tufted Titmouse, 4; House Wren, 3; Carolina Wren, 26; Short-billed Marsh Wren, 1 Mockingbird, 378; Catbird, 66; Brown Thrasher, 11; Robin, 1614; Hermit Thrush, 1; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 45; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 91; Starling, 155; Solitary Vireo, 3; Black-and-white Warbler, 4; Myrtle Warbler, 21; Yellow-throated Warbler, 7; Pine Warbler, 6; Prairie Warbler, 14; Palm Warbler, 237; Ovenbird, 1; Yellowthroat, 5; House Sparrow, 233; Eastern Meadowlark, 92; Redwinged Blackbird, 1595; Boat-tailed Grackle, 52; Common Grackle, 106; Brown-headed Cowbird, 127; Cardinal, 99; Painted Bunting, 1; Am. Goldfinch, 80; Rufous-sided Towhee, 44; Savannah Sparrow, 15; **Vesper Sparrow, 3** (A.H., J.C.); Chipping Sparrow, 32; Field Sparrow, 1; Song Sparrow, 33. **Total,** 121 species; about 17,268 individuals.—Leon Allen, Charles W. Atwood, Mrs. J. H. Blackburn, Mr. and Mrs. H. G. Bower, Mr. and Mrs. A. C. Brettle, Mr. and Mrs. T. M. Brewer (compilers), J. W. Cairns, Mrs. Marion Daughtry, Mr. and Mrs. William Dodd, Mrs. Edna M. Fay, Mrs. Eleanor Herrick, Mr. and Mrs. Carl Hillburn, Allen Hitch, Davies Lazear, Weston Lazear, Mary Miller, Mr. and Mrs. R. D. Morgan, Mr. and Mrs. C. P. Phelps, Mrs. Mary Phillips, Mrs. Joe Russell, Leslie Ryder, Carl Scott, Mrs. Emma Taylor, Mrs. Marjorie Ward.

250. Cocoa, Fla. (all points within a 15-mile diameter circle, center 1 mile north of east end of Cocoa's Indian River bridge; diameter from ocean near Port Canaveral, across Banana River, Merritt Island, Indian River, Cocoa to middle of Lake Poinsett; pinelands 22%, tidal estuaries 22%, palm hammocks and jungles 12%, gardens and citrus groves 10%, towns 9%, salt marshes and mangroves 8%, prairie 8%, fresh water and marshes 6%, ocean and beach 3%).—Dec. 28; 4:30 a.m. to 7:30 p.m. Partly cloudy, a few scattered showers; temp. 56° to 75°; wind W to NE, 1-8 m.p.h. Forty-six observers in 16-21 parties. Total party-hours, 212 (170 on foot, 39 by car and jeep, 3 by boat); total party-miles, 862 (80 on foot, 770 by car and jeep, 12 by boat). ► Common Loon, 24; Horned Grebe, 156; Pied-billed Grebe, 260 (130 one flock); White Pelican, 4; Brown Pelican, 600; **Brown Booby, 1** (adult well seen—Mason party); Gannet, 3; Double-crested Cormorant, 400; Anhinga, 35; Magnificent Frigate-bird, 1; Great Blue Heron, **275**; Green Heron, 62; Little Blue Heron, **425**; Cattle Egret, 44; Common Egret, 212; Snowy Egret, 400; Louisiana Heron, **500**; Black-crowned Night Heron, 93; Yellow-crowned Night Heron, 3; Least Bittern, 7; Am. Bittern, 4; Wood Ibis, 52; Glossy Ibis, 14; White Ibis, 3000+; **Am. Flamingo, 1** (present 18 months); Canada Goose, 8; Blue Goose, 1 (several all month); Mallard, **35**; Black Duck, 24; Mottled Duck, 14; Gadwall, 2; Pintail,

1200; Green-winged Teal, 170; Blue-winged Teal, 225; Am. Widgeon, 410; Shoveler, 17; Wood Duck, **4**; Redhead, 5; Ring-necked Duck, 58; Canvasback, 42; Lesser Scaup, 25,000+; **Common Goldeneye, 1** (a few every winter); Bufflehead, **27**; Oldsquaw, **4**; **White-winged Scoter, 1** (A.C.); Ruddy Duck, 72; Hooded Merganser, 6; Red-breasted Merganser, 33; duck (sp.), 5000+; Turkey Vulture, 230; Black Vulture, 57; Sharp-shinned Hawk, 6; Cooper's Hawk, 3; Red-tailed Hawk, 15; Red-shouldered Hawk, 26; Bald Eagle, 15 (4 on nests); Marsh Hawk, 21; Osprey, 8; Pigeon Hawk, 3; Sparrow Hawk, 144; hawk (sp.), 15; Bobwhite, 82; Sandhill Crane, 28; Limpkin, 1; King Rail, **93**; Clapper Rail, 18; Virginia Rail, 10; Sora, 160; **Black Rail, 1** (F.H., R.K.); **Purple Gallinule, 2** (F.H., R.K.); Common Gallinule, 94; Am. Coot, 2200; Semipalmated Plover, 28; Piping Plover, 14; Wilson's Plover, 2; Killdeer, 200; Black-bellied Plover, 280; Ruddy Turnstone, 120; Am. Woodcock, 2; Common Snipe, 33; Long-billed Curlew, 2; Whimbrel, 4; Spotted Sandpiper, **29**; Solitary Sandpiper, 1; Willet, 28; Greater Yellowlegs, 38; Lesser Yellowlegs, 12; Knot, 4; **Pectoral Sandpiper, 1** (seen well—L.E., S.F.); Least Sandpiper, 110; Dunlin, 450; Short-billed Dowitcher, **158**; Long-billed Dowitcher, 1 (Mason party); Semipalmated Sandpiper, 258; Western Sandpiper, 25+; Marbled Godwit, 6; Sanderling, 335; Am. Avocet, 26; Pomarine Jaeger, 1; Parasitic Jaeger, 2; jaeger (sp.), 5; **Iceland Gull, 1** (carefully identified, present thru Jan.); Great Black-backed Gull, **18** (5 adults); Herring Gull, 315; Ring-billed Gull, 1000+; Laughing Gull, 275; Bonaparte's Gull, 94; Forster's Tern, 38; Common Tern, 2; Royal Tern, 510; Sandwich Tern, 1; Caspian Tern, 24; Black Skimmer, 600; Mourning Dove, 195; Ground Dove, 64; Barn Owl, 3; Screech Owl, 4; Great Horned Owl, 11 (2 on nests); Barred Owl, 8; Short-eared Owl, 3; **Chuck-will's-widow, 1** (all field marks—A.C., M.O.); Ruby-throated Hummingbird, 5; Belted Kingfisher, **170**; Yellow-shafted Flicker, 128; Pileated Woodpecker, 13; Red-bellied Woodpecker, 92; Yellow-bellied Sapsucker, 21; Hairy Woodpecker, 3; Downy Woodpecker, 11; Red-cockaded Woodpecker, 1; Eastern Phoebe, 96; empidonax flycatcher (sp.), 1; Tree Swallow, 12,000+; **Rough-winged Swallow, 4** (all fields marks—L.A.); Blue Jay, 184; Scrub Jay, 68; Common Crow, 2; Fish Crow, 6000 (roost); Tufted Titmouse, 3; Brown-headed Nuthatch, 21; House Wren, 167; Winter Wren, 3; **Bewick's Wren, 1** (carefully identified—R.K.); Carolina Wren, 100; Long-billed Marsh Wren, 25; Short-billed Marsh Wren, 16; Mockingbird, 212; Catbird, 164; Brown Thrasher, 16; Robin, 7000; Hermit Thrush, 3; Eastern Bluebird, 19; Blue-gray Gnatcatcher, 160; Ruby-crowned Kinglet, 44; Water Pipit, 10; Cedar Waxwing, 51; Loggerhead Shrike, 100; Starling, 24; White-eyed Vireo, 21; Solitary Vireo, 7; Black-and-white Warbler, 11; Orange-crowned Warbler, 24; Parula Warbler, 3; Black-throated Blue Warbler, **4**; Myrtle Warbler, 450; Yellow-throated Warbler, 22; **Bay-breasted Warbler, 1** (carefully identified—Mason party); Pine Warbler, 80; Prairie Warbler, 11; Palm Warbler, 1150 (some Yellow Palms); Ovenbird, 1; Northern Waterthrush, 3; Yellowthroat, **374**; **Am. Redstart, 1** (seen well—H.C.); House Sparrow, 200; Eastern Meadowlark, 158; Redwinged Blackbird, 3000; Baltimore Oriole, 2; **Bullock's Oriole, 1** (present 3 days); **Brewer's Blackbird, 1** (in cowpens all month); Boat-tailed Grackle, 750; Common Grackle, 68; Brown-headed Cowbird, 68; Cardinal, 215; Indigo Bunting, 4; Painted Bunting, 49 (most at feeders); Am. Goldfinch, 168; Rufous-sided Towhee, 164 (mostly White-eyed); Savannah Sparrow, 520; Grasshopper Sparrow, 12; Henslow's Sparrow, 2; Sharp-tailed Sparrow, 5; Seaside Sparrow, 2; Vesper Sparrow, 7; Lark Sparrow, 1 (2 days previous); Bachman's Sparrow, 5; Chipping Sparrow, 87; **Clay-colored Sparrow, 1** (studied carefully—R.K., F.H.); Field Sparrow, 7; White-throated Sparrow, 4; Lincoln's Sparrow, 1; Swamp Sparrow, 186; Song Sparrow, 8. **Total,** 200 species (2 additional races); about 82,306 individuals. (Seen in area count period, but not on count day: **Fulvous Tree Duck,** Broad-winged Hawk, Gull-billed Tern, Whip-poor-will, Red-headed Woodpecker, Western Kingbird, Rusty Blackbird, Dickcissel.)—LaVerne Argabright, Dorcas Brigham, Joyce Burnside, Leslie Case, John Creech, Allan Cruickshank (compiler), Helen Cruickshank, William Davidson, David Ellinor, Alonzo Ellis, Dorothy Fickett, Steve Fickett, James Fleugel, Jack Giltinan, William Gurr, Fred Hebard, Kathleen Herbert, William Hueston, Margaret Hundley, John Johnson, Richard Kuerzi, Arthur Langford, Katherine Lewis, William Lewis, Geoffrey Lister, Michael Lister, Russell Mason, Myrtle Maxwell, Katherine Michie, Lucile Norton, Michael Oboiko, James O'Neil, David Pierce, Marie Thompson, Foster White, Farida Wiley, Glen Woolfenden, Conrad Yost (Indian River Audubon Society and guests).

251. Coot Bay–Everglades National Park, Fla. (all points within a 15-mile diameter circle, center ½ mile northwest of Bradley Key; all roads passable, all usual sections covered; mangrove swamp 15%, tropical hardwood hammock 15%, coastal prairie 25%, lakes, bays, and Florida Bay 45%; half or more of trees in all mangrove swamp areas killed by Hurricane Donna, tropical hardwood hammocks badly storm-battered but recovering).—Dec. 31; 4 a.m. to 6 p.m. Clear to partly cloudy; temp. 64° to 77°; wind SE, calm to 10 m.p.h. Seventy-one observers in 19 parties. Total party-hours, 189½ (117 on foot, 12 by car, 57 by boat, 3½ by airplane); total party-miles, 626 (93 on foot, 84 by car, 124 by boat, 325 by airplane). ► Common Loon, **13**; **Red-throated Loon, 1** (Mrs. R.H.); Horned Grebe, 204; Pied-billed Grebe, **277**; White-Pelican, 2574; Brown Pelican, 471; Double-crested Cormorant, 1523; Anhinga, 110; Magnificent Frigate-bird, 4; Great White Heron, 120; Great Blue Heron, 600; Green Heron, **478**; Little Blue Heron, **1432**; Cattle Egret, **74**; Reddish Egret, 31; Common Egret, 2331; Snowy Egret, 2540; Louisiana Heron, **903**; Black-crowned Night Heron, **212**; Yellow-crowned Night Heron, 2; Am. Bittern, **6**; Wood Ibis, **1626**; White Ibis, 3142; Roseate Spoonbill, 247; Mallard, 1 (C.B. party); Mottled Duck, **273**; Gadwall, 6; Pintail, 1056; Green-winged Teal, 30; Blue-

winged Teal, 2147; Am. Widgeon, 82; Shoveler, 789; Ring-necked Duck, 152; Canvasback, 7; Lesser Scaup, 3497; Ruddy Duck, 1356; Red-breasted Merganser, **1683**; Turkey Vulture, 312; Black Vulture, 52; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; **Red-tailed Hawk, 1** (J.F., Boltes); Red-shouldered Hawk, 58; Broad-winged Hawk, 1; Short-tailed Hawk, 1; Bald Eagle, 32; Marsh Hawk, 33; Osprey, 61; Peregrine Falcon, **15**; Pigeon Hawk, 2; Sparrow Hawk, 38; Clapper Rail, 3; Sora, 3; Common Gallinule, 5; Am. Coot, 2265; Semipalmated Plover, 9; Wilson's Plover, 3; Killdeer, 95; Black-bellied Plover, 620; Ruddy Turnstone, 28; Common Snipe, 6; Long-billed Curlew, 1; Whimbrel, 7; Spotted Sandpiper, 5; Willet, 414; Greater Yellowlegs, 65; Lesser Yellowlegs, 42; Knot, 25; Least Sandpiper, 490; Dunlin, 3770; Short-billed Dowitcher, 612; Semipalmated Sandpiper, 1320; Western Sandpiper, 1395; Marbled Godwit, 41; Am. Avocet, **150**; **Black-necked Stilt,** 13 (O.O., R.M.); Herring Gull, **134**; Ring-billed Gull, **2259**; Laughing Gull, 1429; Bonaparte's Gull, 1; Gull-billed Tern, 12; Forster's Tern, 73; Royal Tern, 225; Sandwich Tern, 1; Caspian Tern, 101; Black Skimmer, **2776**; Mourning Dove, 5; Ground Dove, 28; Mangrove Cuckoo, **2** (Boltes, J.F., *et al.*); Screech Owl, 3; Barred Owl, 12; Whip-poor-will, 1; Ruby-throated Hummingbird, 2; Belted Kingfisher, **259**; Yellow-shafted Flicker, 5; Pileated Woodpecker, 5; Red-bellied Woodpecker, 55; Yellow-bellied Sapsucker, **32**; Great Crested Flycatcher, 29; Eastern Phoebe, 32; Tree Swallow, 196; Barn Swallow, 2 (2 parties); **Blue Jay, 8** (2 parties, present since Donna); Common Crow, **245**; House Wren, 105; Carolina Wren, 2; Short-billed Marsh Wren, 4; Mockingbird, 68; Catbird, 116; Brown Thrasher, 8; Robin, 22; **Hermit Thrush, 2** (R.C. party, H.C.); Blue-gray Gnatcatcher, 170; Ruby-crowned Kinglet, 1; **Water Pipit, 1** (D.P. party); Loggerhead Shrike, 2; White-eyed Vireo, 74; Yellow-throated Vireo, 3; Solitary Vireo, **32**; Black-and-white Warbler, 17; Orange-crowned Warbler, 17; Parula Warbler, **40**; Black-throated Blue Warbler, **2** (I.J.A.); Myrtle Warbler, 235; Black-throated Green Warbler, 1 (R.C. party); Yellow-throated Warbler, 31; **Pine Warbler,** 4 (J.F., Boltes, *et al.*); Prairie Warbler, 60; Palm Warbler, **356**; Ovenbird, 5; Northern Waterthrush, 5; **Kentucky Warbler, 1** (H.K., V.G., other winter records); Yellowthroat, **325**; Yellow-breasted Chat, 4; Am. Redstart, 1; House Sparrow, 9; Eastern Meadowlark, 16; Redwinged Blackbird, 376; Boat-tailed Grackle, **64**; Common Grackle, 357; Cardinal, 53; Indigo Bunting, **3** (2 parties); Painted Bunting, **52**; Am. Goldfinch, 133; Rufous-sided Towhee, 5; Savannah Sparrow, 118; Grasshopper Sparrow, 22; Sharp-tailed Sparrow, 11; Field Sparrow, 1 (I.J.A.); Swamp Sparrow, 55. **Total,** 150 species; about 52,916 individuals. (Seen in area count period, but not on count day: Am. Flamingo, **Bahama Duck,** Hooded Merganser.)—I. Joel Abramson, Ida V. Arnold, Phillip E. Arnold, William G. Atwater, John F. Belshe, Janice N. Bolte, William J. Bolte, Ernest J. Borgman, Charles M. Brookfield, John Bull, Art Clark, William S. Courtis, Frank C. Craighead, Allan D. Cruickshank, Celina Cunningham, Richard L. Cunningham, Haskell B. Curry, Mrs. Dorothy Dee, Mrs. Roy N. Dickie, Gordon E. Dunn, Abbott Fenn, James B. Fleugel, L. G. Gage, Jr., Vernon C. Gilbert, Jr., Laymond Hardy, Norwood Hazard, Mrs. Richard Herbert, Wayne G. Homan, C. E. Huntington, Stacey Jennings, Hank Kaestner, M. Phillip Kahl, B. J. Kincaid, Gretchen H. Kincaid, H. P. Langridge, Grace Lethridge, Rodney Lethridge, Frank J. Ligas, Jeff Lister, Mike Lister, Rita L. Martin, Robert H. Mattlin, Ricky Mendlen, Ralph Miele, Mrs. E. C. Miles, Jeanne Muller, Hugh B. Muller, Flora E. O'Brien, Clark Olson, O. T. Owre, Jack Partusch, Dennis R. Paulson, David Pierce, Mr. and Mrs. George Raz, Betty Robertson, William B. Robertson, Jr. (compiler), David A. Robinson, Art Schaffner, Allan Smythe, Donna Sprunt, Sandy Sprunt, Louis A. Stimson, Marie Thompson, Mrs. L. H. Waite, Mr. and Mrs. Thomas J. Wood, Robert A. Woodmansee, Edward Wysocki, Steve Yeandle, Edmund J. Zaharewicz.

252. Daytona Beach, Fla. (all points within a 15-mile diameter circle, center Volusia Ave. at Daytona Beach).—Dec. 21; 7 a.m. to 5 p.m.; temp. 52° on 55°; wind 10-18 m.p.h. Twenty-two observers in 6 parties. Total party-hours, 60; total party-miles, 394 (16 on foot, 378 by car). ► Common Loon, 19; Horned Grebe, 26; Pied-billed Grebe, 17; White Pelican, 2; Brown Pelican, 64; Gannet, **166**; Double-crested Cormorant, 333; Anhinga, 8; Great Blue Heron, 36; Green Heron, 7; Little Blue Heron, 52; Cattle Egret, 19; Common Egret, 93; Snowy Egret, 14; Louisiana Heron, 12; Black-crowned Night Heron, 8; Wood Ibis, 54; White Ibis, 5; Black Duck, 3; Ring-necked Duck, 3; Lesser Scaup, 46; Red-breasted Merganser, 67; Turkey Vulture, 26; Black Vulture, 28; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Marsh Hawk, 5; Osprey, 5; Sparrow Hawk, 91; Bobwhite, 37; Clapper Rail, 10; Virginia Rail, 2; Sora, 1; Common Gallinule, 3; Am. Coot, 23; Piping Plover, 2; Killdeer, 36; Black-bellied Plover, 42; Ruddy Turnstone, 44; Common Snipe, 10; Willet, 3; Greater Yellowlegs, 2; Lesser Yellowlegs, 3; Dunlin, 3; Sanderling, 482; Great Black-backed Gull, 1; Herring Gull, 167; Ring-billed Gull, 6961; Laughing Gull, 231; Bonaparte's Gull, 75; Forster's Tern, 30; Common Tern, 4; Royal Tern, 132; Caspian Tern, 3; Black Skimmer, 854; Mourning Dove, 141; Ground Dove, 36; Belted Kingfisher, 36; Yellow-shafted Flicker, 33; Pileated Woodpecker, 14; Red-bellied Woodpecker, 43; Yellow-bellied Sapsucker, 8; Eastern Phoebe, 8; Tree Swallow, 1527; Blue Jay, 54; Scrub Jay, 3; Common Crow, 23, Fish Crow, 376; Tufted Titmouse, 4; **White-breasted Nuthatch, 1**; House Wren, 17; Winter Wren, 1; Carolina Wren, 21; Short-billed Marsh Wren, 1; Mockingbird, 140; Catbird, 24; Brown Thrasher, 5; Robin, 5150; Hermit Thrush, 1; Eastern Bluebird, 4; Blue-gray Gnatcatcher, 13; Ruby-crowned Kinglet, 22; Water Pipit, 8; Loggerhead Shrike, 61; Starling, 168; Solitary Vireo, 3; Black-and-white Warbler, 2; Orange-crowned Warbler, 4; Parula Warbler, 1; Myrtle Warbler, 190; Yellow-throated Warbler, 3; Pine Warbler, 4; Palm Warbler, 120; Yellowthroat, 12; House Sparrow, 321; Eastern Meadowlark, 150; Redwinged Blackbird, 412;

Boat-tailed Grackle, 2; Common Grackle, 75; Brown-headed Cowbird, 215; Cardinal, 99; **Purple Finch, 1**; Am. Goldfinch, 22; Rufous-sided Towhee, 6; Savannah Sparrow, 57; Sharp-tailed Sparrow, 3; Vesper Sparrow, 12; Chipping Sparrow, 22; Field Sparrow, 1; White-throated Sparrow, 23; Swamp Sparrow, 2; Song Sparrow, 9. **Total,** 112 species; about 20,089 individuals.—Fred Ackerman, Frank A. Berger, Mrs. Rose Block, Mrs. Margaret Branch, Ralph Branch, Olive Breadeau, Chester H. Childs, Mrs. Lucille Dence, Conrad H. Ekdahl, Norma Ekdahl, A. Joseph Fairbank, Mrs. Priscilla Fairbank, Lydia Hamilton, Mrs. Jean Hudson, Roy D. Hudson, Isaac L. Merrill, Jr., George Murray, F. Beacom Rich, Mrs. Nellie Ross, Willard S. Whiteman, George L. Williams (compiler).

253. Fort Lauderdale, Fla. (all points within a 15-mile diameter circle, center at junction of Sunrise Blvd. and Sunshine State Parkway, including portion of Margate, to Ft. Lauderdale Beach, to 1¼ miles south of Stirling Road in Dania, and to 8½ miles west of Rt. 441 on State Rd. 84; fresh-water ponds, canals, marshes 6%, pasture and farmland 40%, towns 43%, cypress strand 5%, ocean and beach 1%, pine and scrub oak 5%).—Dec. 26; 6:30 a.m. to 7 p.m. Clear; temp. 52° to 74°; wind N, 0-10 m.p.h. Thirty-three observers in 14 parties. Total party-hours, 135 (70 on foot, 62 by car, 3 by airboat); total party-miles, 532 (65 on foot, 447 by car, 20 by airboat). ► Pied-billed Grebe, 19; Brown Pelican, 7; Double-crested Cormorant, 6; Anhinga, **231** (roosts); Great Blue Heron, 66; Green Heron, 44; Little Blue Heron, **1952**; Cattle Egret, 2469; Common Egret, **730**; Snowy Egret, 7; Louisiana Heron, 17; Black-crowned Night Heron, 19; Yellow-crowned Night Heron, 30; Least Bittern, 1; Am. Bittern, 4; Glossy Ibis, 1; White Ibis, 149; Mottled Duck, 23; Ring-necked Duck, 393; Lesser Scaup, 5; Ruddy Duck, 1; Hooded Merganser, 3; Turkey Vulture, 488; Black Vulture, 58; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, **26**; Red-shouldered Hawk, 56; Marsh Hawk, 69; Osprey, 2; Pigeon Hawk, 4; Sparrow Hawk, 208; Bobwhite, 116; Limpkin, 8; King Rail, 4; Sora, 4; Purple Gallinule, **9**; Common Gallinule, 125; Am. Coot, 288; Killdeer, 684; Black-bellied Plover, 28; Ruddy Turnstone, 23; Common Snipe, 8; Spotted Sandpiper, 5; **Willet, 1**; Greater Yellowlegs, 10; Lesser Yellowlegs, 10; Least Sandpiper, 3; Short-billed Dowitcher, 3; Sanderling, 106; Herring Gull, 289; Ring-billed Gull, 785; Laughing Gull, 84; Bonaparte's Gull, 40; Royal Tern, 42; Black Skimmer, 47; Mourning Dove, 608; Ground Dove, 150; Smooth-billed Ani, **96** (4 parties); Barn Owl, 4; Screech Owl, 5; **Great Horned Owl, 1**; Burrowing Owl, 7; Whip-poor-will, 1; Ruby-throated Hummingbird, 7; Belted Kingfisher, 80; Yellow-shafted Flicker, 32; Pileated Woodpecker, 1; Red-bellied Woodpecker, 98; Yellow-bellied Sapsucker, 31; Downy Woodpecker, 5; Western Kingbird, 5; Scissor-tailed Flycatcher, 3; **Kiskadee Flycatcher, 1** (all field marks studied at leisure—J.B., K.B., M.B., A.I.); Great Crested Flycatcher, 12; Eastern Phoebe, 170; empidonax (sp.), 3; Tree Swallow, 3925; Rough-winged Swallow, **1475** (A.I. party); Blue Jay, 97; Scrub Jay, **2** (almost gone); **Tufted Titmouse, 2**; House Wren, 54; Carolina Wren, 24; Long-billed Marsh Wren, 6; Mockingbird, 303; Catbird, 123; Brown Thrasher, 12; Robin, 1217; Blue-gray Gnatcatcher, 246; Ruby-crowned Kinglet, 13; Loggerhead Shrike, 223; **Starling, 12** (Raz party); White-eyed Vireo, 51; **Yellow-throated Vireo, 1** (G.P. party); Solitary Vireo, 17; Black-and-white Warbler, 14; Orange-crowned Warbler, 1; Parula Warbler, 3; Myrtle Warbler, 222; Black-throated Green Warbler, 1; Yellow-throated Warbler, 9; Pine Warbler, 15; Prairie Warbler, 19; Palm Warbler, 626; Ovenbird, 2; Northern Waterthrush, 3; Yellowthroat, 215; House Sparrow, 614; Eastern Meadowlark, 243; Redwinged Blackbird, 1623; Baltimore Oriole, 4; Boat-tailed Grackle, 2378; Common Grackle, 212; Cardinal, 143; Indigo Bunting, **106** (most at feeders); Painted Bunting, **163** (most at feeders); **Purple Finch, 20**; Am. Goldfinch, 43; Rufous-sided Towhee, 43; Savannah Sparrow, 99; Grasshopper Sparrow, 6; **Le Conte's Sparrow, 1** (all field marks—Fleugel party); **Henslow's Sparrow, 6** (J.F. party); **Sharp-tailed Sparrow, 3**; **Vesper Sparrow, 1**; Field Sparrow, 1; Swamp Sparrow, 10; **Song Sparrow, 3**. **Total,** 129 species; about 25,787 individuals. (Seen in area count period, but not on count day: Common Loon, **Magnolia Warbler**.) [The Kiskadee Flycatcher still present Feb. 5 has been successfully photographed—Ed.] —LaVerne Argabright, Ida Arnold, Kay Bailey, Margaret Biglin, Bill Bolte, Jan Bolte, Margaret Dye, Lafayette Dow, James B. Fleugel, B. Brower Hall, Lenora Hortt, Arthur Inwood, Frank J. Ligas (compiler), Madeline Maxwell, Sarah Miller, A. G. McQuate, George Polk, Audrey Raz, George Raz, Alice Robinson, David Robinson, Eloise Runk, Bruce Smith, Ray Smith, Ruth Van Every.

254. Fort Myers, Fla. (all points within a 15-mile diameter circle, center south Fort Myers, including Punta Rassa, south end Fort Myers Beach, tip of Pine Island, Little Pine Island, Ostego Bay, Caloosahatchie River; riverside 5%, seashore 35%, pinelands 40%, meadows 5%, mangroves 5%, inland swamps 10%).—Dec. 21; 7:30 a.m. to 6:30 p.m. Clear to cloudy, rain 2 hours; temp. 55° to 75°; wind 5-25 m.p.h. Twenty-three observers in 4 parties. Total party-hours, 44 (4 on foot, 40 by car); total party-miles, 320 (18 on foot, 302 by car). ► Pied-billed Grebe, 7; White Pelican, 39; Brown Pelican, 163; Double-crested Cormorant, 119; Anhinga, 22; **Magnificent Frigate-bird, 5**; Great Blue Heron, 18; Green Heron, 6; Little Blue Heron, 65; Cattle Egret, 30; Common Egret, 386; Snowy Egret, 45; Louisiana Heron, 26; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 5; Wood Ibis, 79; White Ibis, 44; Mottled Duck, 8; Blue-winged Teal, 7; Lesser Scaup, 12; Hooded Merganser, 1; Common Merganser, 12 [no details.—Ed.]; Red-breasted Merganser, 51; Turkey Vulture, 175; Black Vulture, 14; Red-tailed Hawk, 4; Red-shouldered Hawk, 8; Bald Eagle, 9; Marsh Hawk, 29; Osprey, 2; Pigeon Hawk, 1; Sparrow Hawk, 124; Bobwhite, 84; Sandhill Crane, 6; Common Gallinule, 41; Am. Coot, 533; Am.

Oystercatcher, 3; Semipalmated Plover, 16; Piping Plover, 8; Snowy Plover, 12; Wilson's Plover, 21; Killdeer, 31; Black-bellied Plover, 62; Ruddy Turnstone, 81; Common Snipe, 3; Spotted Sandpiper, 7; Willet, 51; Greater Yellowlegs, 4; Least Sandpiper, 19; Dunlin, 331; Short-billed Dowitcher, 31; Semipalmated Sandpiper, 82; Western Sandpiper, 12; **Marbled Godwit, 5**; Sanderling, 195; Herring Gull, 47; Ring-billed Gull, 3184; Laughing Gull, 1006; Bonaparte's Gull, 2; Forster's Tern, 13; **Sooty Tern, 10** [unsatisfactory details—Ed.]; **Least Tern, 19** [unsatisfactory details—Ed.]; Royal Tern, 47; Black Skimmer, 947; Mourning Dove, 111; Ground Dove, 33; Screech Owl, 3; Great Horned Owl, 1; Belted Kingfisher, 34; Yellow-shafted Flicker, 27; Red-bellied Woodpecker, 20; Yellow-bellied Sapsucker, 4; Western Kingbird, 1; **Scissor-tailed Flycatcher, 2**; Eastern Phoebe, 3; Tree Swallow, 1116; Blue Jay, 10; Common Crow, 119; Fish Crow, 23; House Wren, 3; Carolina Wren, 4; Short-billed Marsh Wren, 1; Mockingbird, 81; Catbird, 6; Brown Thrasher, 3; Robin, 24; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 9; Loggerhead Shrike, 78; Black-and-white Warbler, 1; Parula Warbler, 1; Yellow-throated Warbler, 7; Palm Warbler, 54; Yellowthroat, 12; Am. Redstart, 1; House Sparrow, 149; Eastern Meadowlark, 62; Redwinged Blackbird, 404; Rusty Blackbird, 1; Boat-tailed Grackle, 194; Common Grackle, 283; Brown-headed Cowbird, 1; Cardinal, 53; Indigo Bunting, 2; Painted Bunting, 6; **Dickcissel, 1**; Rufous-sided Towhee, 23; Savannah Sparrow, 1; Grasshopper Sparrow, 1; Seaside Sparrow, 2; Field Sparrow, 6; White-throated Sparrow, 6; Swamp Sparrow, 3. **Total,** 113 species; about 11,422 individuals.—Mr. and Mrs. J. L. Allison, Mr. and Mrs. John Bunnell, Mrs. F. Eichner, George Erskine, Mrs. Robert Gibson (compiler), Robert Gibson, Cecil Hamilton, Mr. and Mrs. Lee Houghton, Mrs. Arnold Longmire, T. F. Morland, Mr. and Mrs. J. R. Parmenter, Mrs. C. B. Peck, Mr. and Mrs. Denton J. Smith, Mr. and Mrs. Hammond Smith, Mrs. Ernest Spinney, Mr. and Mrs. William Widger (Caloose Bird Club of Fort Myers).

255. Fort Pierce, Fla. (all points within a 15-mile diameter circle, center at intersection of Okeechobee and Jenkins Rds., including North and South Beaches, part of Indrio Rd., 4 miles of Header Canal, all of Midway Rd., Fort Pierce and communities of White City, Ankona, Eldred and St. Lucie; same area as past 3 years; ocean and beach 10%, ponds and marshes 15%, inlet and tidal flats 15%, Indian River and shores 15%, scrub oak 5%, pine woods 10%, pasture 20%, hammock 10%).—Jan. 2; 5 a.m. to 10 p.m. Clear to partly cloudy; temp. 65° to 80°; wind NW, 0-15 m.p.h.; fresh-water ponds very low. Twenty-four observers in 8 parties. Total party-hours, 90 (71 on foot, 19 by car); total party-miles, 188 (46 on foot, 142 by car). ► Common Loon, 5; Pied-billed Grebe, 8; Brown Pelican, 725; Double-crested Cormorant, 108; Anhinga, 7; Magnificent Frigatebird, 9; Great Blue Heron, 29; Green Heron, 13; Little Blue Heron, 25; Cattle Egret, 107; Common Egret, 10; Snowy Egret, 24; Louisiana Heron, 37; Yellow-crowned Night Heron, 3; Wood Ibis, 55; White Ibis, 1; Mottled Duck, 15; Pintail, 1; Lesser Scaup, 61; Red-breasted Merganser, 32; Turkey Vulture, 78; Black Vulture, 25; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 6; Broad-winged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 10; Osprey, 11; Sparrow Hawk, 115; Bobwhite, 93; Sandhill Crane, 15; Clapper Rail, 1; Common Gallinule, 10; Am. Coot, 51; Killdeer, 9; Black-bellied Plover, 28; Ruddy Turnstone, 28; Common Snipe, 29; Spotted Sandpiper, 22; Willet, 20; Greater Yellowlegs, 5; Lesser Yellowlegs, 1; Dunlin, 62; Sanderling, 600+; Herring Gull, 22; Ring-billed Gull, 136; Laughing Gull, 6; Bonaparte's Gull, 10; Forster's Tern, 2; Royal Tern, 59; Sandwich Tern, 3; Caspian Tern, 7; Black Skimmer, 7; Mourning Dove, 68; Ground Dove, 47; Screech Owl, 6; Whip-poor-will, 2; Ruby-throated Hummingbird, 6; Belted Kingfisher, 30; Yellow-shafted Flicker, 49; Pileated Woodpecker, 8; Red-bellied Woodpecker, 43; **Red-headed Woodpecker, 3**; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 3; Downy Woodpecker, 6; Great Crested Flycatcher, 1; Eastern Phoebe, 31; Tree Swallow, 2500+; Blue Jay, 110; Scrub Jay, 3; Common Crow, 32; Fish Crow, 500+; House Wren, 17; Carolina Wren, 22; Mockingbird, 134; Catbird, 52; Brown Thrasher, 18; Robin, 2550+; Hermit Thrush, 1; Eastern Bluebird, 3; Blue-gray Gnatcatcher, 38; Ruby-crowned Kinglet, 30; Loggerhead Shrike, 52; White-eyed Vireo, 3; Solitary Vireo, 3; Black-and-white Warbler, 7; Orange-crowned Warbler, 1; Parula Warbler, 1; **Cape May Warbler, 1**; Myrtle Warbler, 86; Yellow-throated Warbler, 14; Pine Warbler, 10; Prairie Warbler, 1; Palm Warbler, 44; Ovenbird, 7; Yellowthroat, 37; House Sparrow, 100+; Eastern Meadowlark, 66; Redwinged Blackbird, 250; Boat-tailed Grackle, 73; Common Grackle, 91; Cardinal, 185; Indigo Bunting, 2; Painted Bunting, 52; Am. Goldfinch, 100+; Rufous-sided Towhee, 34 (6 Red-eyed); Savannah Sparrow, 2; Chipping Sparrow, 3; Swamp Sparrow, 1; **Song Sparrow, 1. Total,** 113 species (1 additional race); about 10,316 individuals. (Seen in area count period, but not on count day: Gannet, Blue-winged Teal, Hooded Merganser, Am. Woodcock, Western Sandpiper, Great Horned Owl, Yellow-breasted Chat, Baltimore Oriole, Grasshopper Sparrow, Field Sparrow.)—Clara Bates, E. J. Beidler, Mrs. W. W. Dartnell, Frank D. S. Evans, Gordon Evans, Frederick W. Harden, Sam W. Hardwick, Mrs. Sam W. Hardwick, Lyle S. Hubbard (compiler), Mrs. Lyle S. Hubbard, Virginia J. Hubbard, R. R. Hunziker, Mrs. R. R. Hunziker, Frances Lawson, Mrs. Sawyer Lennard, Paul MacMahon, Andrew G. Mathis, Maurice W. Provost, Mrs. Frederick B. Sexauer, Mrs. Harry B. Temple, Mrs. Horace C. Vick, Mrs. Florence C. Wallace, John Weathers, William Zachow (St. Lucie Audubon Society and Fort Pierce Nature Conservancy Committee).

256. Gainesville, Fla. (all points within a 15-mile diameter circle, center Gainesville).—Dec. 28; 6:30 a.m. to 7 p.m. Clear; temp. 52° to 65°; wind 10-15 m.p.h. Thirteen observers in 1 party. Total party-hours, 12½; total party-miles, 129 (11 on foot, 117 by car, 1 by boat). ► Pied-billed Grebe, 9;

Double-crested Cormorant, 65; Anhinga, 24; Great Blue Heron, 26; Green Heron, 1; Little Blue Heron, 61; Cattle Egret, **250**; Common Egret, 23; Snowy Egret, 15; Louisiana Heron, 6; Black-crowned Night Heron, 92; Am. Bittern, 1; Mallard, **100+**; Black Duck, 5; Gadwall, 16; Pintail, 40; Green-winged Teal, 60; Blue-winged Teal, 75; Am. Widgeon, 2; Shoveler, 14; Redhead, 2; Ring-necked Duck, 4; Hooded Merganser, 8; Turkey Vulture, 61; Black Vulture, 8; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; **Broad-winged Hawk,** 1; Bald Eagle, 2; Marsh Hawk, 15; Sparrow Hawk, 32; Bobwhite, 24; Sandhill Crane, 77+; Common Gallinule, 42; Am. Coot, 300+; Killdeer, 80; Common Snipe, 136; Greater Yellowlegs, 57; Lesser Yellowlegs, 1; Herring Gull, 95; Ring-billed Gull, 375; Mourning Dove, 74; Ground Dove, 17; Barred Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 23; Pileated Woodpecker, 3; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Red-cockaded Woodpecker, 1; Eastern Phoebe, 27; Tree Swallow, 33; Blue Jay, 33; Common Crow, 33; Fish Crow, 3; Carolina Chickadee, 9; Tufted Titmouse, 3; House Wren, 4; Carolina Wren, 14; Mockingbird, 18; Catbird, 1; Brown Thrasher, 11; Robin, 74; Eastern Bluebird, 11; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 19; Water Pipit, 150; Loggerhead Shrike, 18; Starling, 19; Solitary Vireo, 2; Black-and-white Warbler, 2; Myrtle Warbler, 52; Yellow-throated Warbler, 4; Palm Warbler, 77; Ovenbird, 3; Yellowthroat, 6; House Sparrow, 65; Eastern Meadowlark, 300; Redwinged Blackbird, 1500; Rusty Blackbird, 2; Boat-tailed Grackle, 310; Common Grackle, 13; Brown-headed Cowbird, 2; Cardinal, 26; Am. Goldfinch, 50; Rufous-sided Towhee, 11; Savannah Sparrow, 52; Vesper Sparrow, 20; Chipping Sparrow, 108; White-throated Sparrow, 27; Swamp Sparrow, 6; Song Sparrow, 5. **Total,** 95 species; about 5488 individuals. —T. T. Allen, Mrs. Archie Carr, John Cisne, Mrs. L. E. Cisne (compiler), A. D. Conger, Robin Conger, Mrs. F. W. Conner, F. W. Hodge, Mrs. F. W. Hodge, D. A. Jenni, R. W. McFarlane, L. T. Neiland, C. H. Troat.

257. Jacksonville, Fla. (all points within a 15-mile diameter circle, center near Fulton as last year; flatwoods 10%, high pineland 8%, farmlands 2%, suburbs 6%, sea beach 2%, sand dunes 3%, salt marsh 10%, fresh marsh 9%, mud flats 5%, hammock 20%, open water 25%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear; temp. 35° to 70°; wind variable, to 9 m.p.h. Twenty-three observers in 8 parties. Total party-hours, 86 (40 on foot, 39 by car, 7 by boat); total party-miles, 515 (42 on foot, 468 by car, 5 by boat). ► Common Loon, 4; Red-throated Loon, **4**; Horned Grebe, 6; Pied-billed Grebe, 34; Brown Pelican, 296; Gannet, 6; Double-crested Cormorant, 470; Anhinga, 6; Great Blue Heron, 38; Green Heron, 1; Little Blue Heron, 47; Common Egret, 128; Snowy Egret, 123; Louisiana Heron, 33; Black-crowned Night Heron, 178; Yellow-crowned Night Heron, 1; White Ibis, 4; Mallard, 3; Gadwall, 1; Pintail, 4; Wood Duck, 3; Redhead, 1; Canvasback, 1; Lesser Scaup, 124; Bufflehead, 13; Ruddy Duck, 66; Hooded Merganser, 8; Red-breasted Merganser, 29; Turkey Vulture, 53; Black Vulture, 31; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 11; Red-shouldered Hawk, 11; Bald Eagle, 2; Marsh Hawk, 14; Osprey, 2; Sparrow Hawk, 49; Bobwhite, 36; King Rail, 1; Clapper Rail, **165**; Sora, 3; Common Gallinule, 12; Am. Coot, 707; Am. Oystercatcher, 3; Semipalmated Plover, 76; Piping Plover, 9; Killdeer, 63; Black-bellied Plover, 81; Ruddy Turnstone, 395; Am. Woodcock, 2; Common Snipe, 20; Spotted Sandpiper, 1; Willet, 17; Greater Yellowlegs, 4; Lesser Yellowlegs, 1; **Purple Sandpiper, 1** (C.A.); Dunlin, 256; Long-billed Dowitcher, 10; Semipalmated Sandpiper, 51; Western Sandpiper, 260; Marbled Godwit, 1; Sanderling, 123; Herring Gull, 842; Ring-billed Gull, 2469; Laughing Gull, 53; Bonaparte's Gull, 20; Forster's Tern, 313; Common Tern, 2; Royal Tern, 166; Caspian Tern, 5; Black Skimmer, 1335; Mourning Dove, 62; Ground Dove, 27; Great Horned Owl, 1; Barred Owl, 1; **Whip-poor-will,** 1; Belted Kingfisher, 62; Yellow-shafted Flicker, 73; Pileated Woodpecker, 8; Red-bellied Woodpecker, 49; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 3; Downy Woodpecker, 14; Red-cockaded Woodpecker, 2; **Western Kingbird, 2** (S.G.); Eastern Phoebe, 28; Tree Swallow, 384; Blue Jay, 117; Common Crow, 104; Fish Crow, 436; Carolina Chickadee, 23; Tufted Titmouse, 61; Brown-headed Nuthatch, 15; House Wren, 43; Winter Wren, 1; Carolina Wren, 97; Long-billed Marsh Wren, 14; Short-billed Marsh Wren, 3; Mockingbird, 162; Catbird, 61; Brown Thrasher, 18; Robin, 532; Hermit Thrush, 16; Eastern Bluebird, 24; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 118; Water Pipit, 30; Loggerhead Shrike, 61; Starling, 34; White-eyed Vireo, 1; Solitary Vireo, 3; Black-and-white Warbler, 3; Orange-crowned Warbler, 17; Myrtle Warbler, 2744; Yellow-throated Warbler, 4; Pine Warbler, 6; Prairie Warbler, 1; Palm Warbler, 63; Yellowthroat, 11; House Sparrow, 23; Eastern Meadowlark, 289; Redwinged Blackbird, 497; Rusty Blackbird, 6; Boat-tailed Grackle, 305; Common Grackle, 61; Brown-headed Cowbird, 60; Cardinal, 132; Am. Goldfinch, 95; Rufous-sided Towhee, 290; Savannah Sparrow, 171; Sharp-tailed Sparrow, 3; Seaside Sparrow, 4; Vesper Sparrow, 13; Slate-colored Junco, 4; Chipping Sparrow, 87; White-throated Sparrow, 169; Fox Sparrow, 21; Swamp Sparrow, 39; Song Sparrow, 36. **Total,** 142 species; about 17,183 individuals.—Mr. and Mrs. C. M. Appleberry, C. E. Bohannon, Jerry Brewton, Charlotte Buckland, Freddie Butler, R. O. Edwards, Jr., Rose Forney, W. Y. Gary, H. A. Gottfried, S. A. Grimes, Raymond Gross, Robert Harvey, Mrs. W. W. Hendrickson, Mrs. J. D. Kelly, R. F. Marsh, Robert Marsh, M. R. Protheroe, H. E. Robinson, Jr., Mrs. H. E. Robinson, Jr. (compiler), Mrs. J. C. Stone, Mrs. J. W. Whiteman, Mrs. W. D. Willetts (Audubon Society of Duval County).

258. Key Largo–Plantation Key, Fla. (all points within a 15-mile diameter circle, center 1 mile NE of East Key, including Key Largo, Plantation,

Upper Matecumbe, Butternut, Park, Black Betsy, Club, Panhandle, Shell Keys; ocean and bay 80%, tropical hammock 10%, ponds, swamps 5%, flats 5%).—Jan. 1; 6 a.m. to 6 p.m. Partly cloudy; temp. 67° to 80°; wind W, 4-8 m.p.h. Twenty-two observers in 8 parties. Total party-hours, 63 (28 on foot, 21 by car, 14 by boat); total party-miles, 177 (15 on foot, 110 by car, 52 by boat). ► Common Loon, 9; Horned Grebe, 4; Pied-billed Grebe, 2; **White Pelican, 100+** (4 observers); Brown Pelican, 189 (nesting); Double-crested Cormorant, 386 (nesting); Magnificent Frigate-bird, 123; Great White Heron, 75 (nesting); Würdemann's Heron, 2; Great Blue Heron, 36; Green Heron, 4 (nesting); Little Blue Heron, 66; Cattle Egret, 74; Reddish Egret, 14 (nesting); Common Egret, 84 (nesting); Snowy Egret, 81; Louisiana Heron, 184; Yellow-crowned Night Heron, 8; White Ibis, 48; Roseate Spoonbill, 193 (nesting) +173 young; Mottled Duck, 4; Pintail, 30; Green-winged Teal, 1; Blue-winged Teal, 29; Red-breasted Merganser, 95; Turkey Vulture, 62; Red-shouldered Hawk, 4; Broad-winged Hawk, 6; Bald Eagle, 2 (nesting); Marsh Hawk, 4; Osprey, 43 (nesting); Pigeon Hawk, 1; Sparrow Hawk, 151; Clapper Rail, 1; Semipalmated Plover, 61; Piping Plover, 1; Wilson's Plover, 1; Killdeer, 2; Black-bellied Plover, 203; Ruddy Turnstone, 88; Spotted Sandpiper, 2; Willet, 14; Greater Yellowlegs, 39; Lesser Yellowlegs, 2; Least Sandpiper, 19; Short-billed Dowitcher, 446; Semipalmated Sandpiper, 8; Western Sandpiper, 19; Sanderling, 3; Herring Gull, 25; Ring-billed Gull, 198; Laughing Gull, 232; Bonaparte's Gull, 1; Forster's Tern, 34; Common Tern, 1; Royal Tern, 220; Caspian Tern, 16; Black Skimmer, 30; **White-winged Dove, 1**; Mourning Dove, 19; Ground Dove, 22; Smooth-billed Ani, 2; Barn Owl, 1; **Barred Owl, 1** (4 observers, A.C. party); Chuck-will's-widow, 2; Ruby-throated Hummingbird, 10; Belted Kingfisher, 42; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 6; **Western Kingbird, 5**; **Scissor-tailed Flycatcher, 8**; Great Crested Flycatcher, 3; Eastern Phoebe, 13; House Wren, 45; Mockingbird, 60; Catbird, 103; Brown Thrasher, 6; Blue-gray Gnatcatcher, 81; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; White-eyed Vireo, 42; Solitary Vireo, 2; Black-and-white Warbler, 26; Orange-crowned Warbler, 13; Parula Warbler, 11; **Yellow Warbler, 3**; **Magnolia Warbler, 1**; Black-throated Blue Warbler, 1; Myrtle Warbler, 35; Yellow-throated Warbler, 6; Prairie Warbler, 34; Palm Warbler, 290; Ovenbird, 7; Yellowthroat, 49; **Yellow-breasted Chat, 1**; Am. Redstart, 3; House Sparrow, 16; Redwinged Blackbird, 195; **Common Grackle, 3** (F.W.); **Scarlet Tanager, 1** (seen well—J.B.); Cardinal, 55; Painted Bunting, 48; Am. Goldfinch, 2; Savannah Sparrow, 13; Grasshopper Sparrow, 5. **Total,** 104 species (1 additional hybrid); about 5322 individuals. (Seen in area count period, but not on count day: Gannet, Am. Bittern, Pileated Woodpecker, Robin.)—Evelyn Allen, Robert P. Allen, John Bull, Arthur Clark, Marie Cobb, Mary Crane, Celina Cunningham, Richard Cunningham, Allan D. Cruickshank, Helen G. Cruickshank, Haskell Curry, Norwood Hazard, Dennis Paulson, Pat Paulson, William B. Robertson, Art Schaffner, Donna N. Sprunt, Sandy Sprunt (compiler), George Stevenson, Fred K. Truslow, Ted Whitmoyer, Farida A. Wiley.

259. Key West, Fla. (all points within a 15-mile diameter circle, center on Boca Chica Key, including Key West, Stock Island, Saddlebunch Keys; mud flats 15%, mangrove 10%, waterfront 50%, hammock 15%, open field, sanctuary, golf course 10%).—Dec. 24; 7:15 a.m. to 5:30 p.m. Overcast, occasional light rain; temp. 62° to 51°; wind NE, 16 m.p.h. Six observers in 3 parties. Total party-hours, 29 (25 on foot, 4 by car); total party-miles, 146 (8 on foot, 138 by car). ► Pied-billed Grebe, 3; Brown Pelican, 47; Double-crested Cormorant, 84; Great White Heron, 6; Great Blue Heron, 13; Green Heron, 3; Little Blue Heron, 19; Cattle Egret, 27; Reddish Egret, 1; Common Egret, 12; Snowy Egret, 6; Louisiana Heron, 25; Yellow-crowned Night Heron, 17; Roseate Spoonbill, 1; Red-breasted Merganser, 95; Turkey Vulture, 8; Broad-winged Hawk, 3; **Harris' Hawk, 1** (present 3 years); Marsh Hawk, 1; Osprey, 3; Sparrow Hawk, 83; Semipalmated Plover, 3; Killdeer, 4; Black-bellied Plover, 45; Ruddy Turnstone, 34; Spotted Sandpiper, 2; Willet, 8; Greater Yellowlegs, 5; Lesser Yellowlegs, 4; dowitcher (sp.), 34; Semipalmated Sandpiper, 6; Western Sandpiper, 10; Sanderling, 24; Herring Gull, 193; Ring-billed Gull, 1112; Laughing Gull, 537; Common Tern, 1; **Sooty Tern, 2** (immature—M.C., V.O.); Royal Tern, 296; Black Skimmer, 82; White-crowned Pigeon, 1; Mourning Dove, 3; Ground Dove, 5; **Smooth-billed Ani, 1**; Belted Kingfisher, 24; Yellow-bellied Sapsucker, 1; Western Kingbird, 7; Scissor-tailed Flycatcher, **15**; Great Crested Flycatcher, 1; Mockingbird, 24; Catbird, 37; Robin, 3; Blue-gray Gnatcatcher, 20; White-eyed Vireo, 4; Parula Warbler, 2; Myrtle Warbler, 6; Yellow-throated Warbler, 5; Prairie Warbler, 19; Palm Warbler, 63; Ovenbird, 1; Northern Waterthrush, 2; Yellowthroat, 22; House Sparrow, 18; Redwinged Blackbird, 109; **Bullock's Oriole, 2** (now annually); Common Grackle, 16; Cardinal, 3; Indigo Bunting, 1; Painted Bunting, 8. **Total,** 69 species; about 3283 individuals.—Mrs. Christine A. Bonney, Mrs. Marie P. Cobb, Mrs. Francis V. Crane, Mrs. Vernon Olson, George B. Stevenson (compiler), Mrs. Joseph Toth.

260. Lower Keys, Fla. (all points within a 15-mile diameter circle, center Big Pine Key, including keys and connecting bridges along Overseas Highway from west end of Seven Mile Bridge through Cudjoe Key; beaches, sand bars, ocean, and Gulf 30%, saltwater ponds and mud flats 30%, mangrove swamps 20%, pine-palm forest 15%, tropical hammock 5%).—Dec. 23; 7 a.m. to 5:30 p.m. Overcast; temp. 53° to 62°; wind NE, 14 m.p.h. Five observers in 3 parties. Total party-hours, 29 (16 on foot, 13 by car); total party-miles, 154 (9 on foot, 145 by car). ► Common Loon, 2; Pied-billed Grebe, 1; Brown Pelican, 93; Double-crested Cormorant, 68; Magnificent Frigate-bird, 7; Great White Heron, 18; Great Blue Heron, 23; Green Heron, 1; Little Blue Heron, 38; Cattle Egret, 13; Reddish Egret, 3; Common Egret, 20; Snowy Egret, 3; Louisiana Heron, 68;

Yellow-crowned Night Heron, 6; White Ibis, 1; Blue-winged Teal, 28; Red-breasted Merganser, 75; Turkey Vulture, 41; Red-shouldered Hawk, 2; Broad-winged Hawk, 6; Marsh Hawk, 6; Osprey, 12; Sparrow Hawk, 47; **Common Gallinule, 1** (W.R.); Am. Coot, 6; Semipalmated Plover, 32; Piping Plover, 5; Wilson's Plover, 12; Killdeer, 4; Black-bellied Plover, 48; Ruddy Turnstone, 43; Spotted Sandpiper, 1; Willet, 6; Greater Yellowlegs, 5; Least Sandpiper, 8; dowitcher (sp.), 173; Semipalmated Sandpiper, 8; Western Sandpiper, 8; Sanderling, 36; Herring Gull, 6; Ring-billed Gull, 143; Laughing Gull, 185; Forster's Tern, 5; Common Tern, 1; Royal Tern, 353; Sandwich Tern, 22; Caspian Tern, 9; Black Skimmer, 11; Mourning Dove, 3; Ground Dove, 27; Barn Owl, 1; Ruby-throated Hummingbird, 2; Belted Kingfisher, 19; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Mockingbird, 13; Catbird, 16; **Robin, 1**; Blue-gray Gnatcatcher, 13; White-eyed Vireo, 3; Black-and-white Warbler, 4; **Orange-crowned Warbler, 1**; Parula Warbler, 2; Yellow-throated Warbler, 9; Prairie Warbler, 26; Palm Warbler, 170; Ovenbird, 2; Northern Waterthrush, 9; Yellowthroat, 51; Am. Redstart, 1; Redwinged Blackbird, 259; Cardinal, 21; Savannah Sparrow, 11. **Total,** 74 species; about 2381 individuals. (Seen in area count period, but not on count day: Common Snipe, Chuck-will's-widow.)—Mrs. Christine A. Bonney (compiler), Mrs. Marie Cobb, Mrs. Francis V. Crane, Mrs. Vernon Olson, William B. Robertson.

261. Marathon, Fla. (all points within a 15-mile diameter circle, center Key Vaca Bridge over new cut; from Knight's Key end of Seven Mile Bridge to include all of Marathon, Marathon Shores, Key Colony Beach, Crawl Key, Grassy Key, lower Duck Key to where 15-mile stretch ends on middle of Tom's Harbor Bridge; mud flats 15%, mangroves 10%, docks, shoreline and 2 small inland lakes 50%, open fields 10%, hammocks 15%).—Dec. 22; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 55° to 45°; wind N, 16 m.p.h. Five observers in 3 parties. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 97 (8 on foot, 89 by car). ► Common Loon, 5; Brown Pelican, 81; Double-crested Cormorant, 215; Magnificent Frigate-bird, 11; Great White Heron, 27; Great Blue Heron, 7; Green Heron, 3; Little Blue Heron, 52; Cattle Egret, 15; Reddish Egret, 1; Common Egret, 25; Snowy Egret, 22; Louisiana Heron, 21; Roseate Spoonbill, 1; Red-breasted Merganser, 20; Turkey Vulture, 50; Broad-winged Hawk, 8; Marsh Hawk, 2; Osprey, 10; Sparrow Hawk, 60; Semipalmated Plover, 15; Piping Plover, 5; Killdeer, 3; Black-bellied Plover, 100; Ruddy Turnstone, 20; Willet, 3; Greater Yellowlegs, 1; Least Sandpiper, 19; Dunlin, 3; dowitcher (sp.), 77; Semipalmated Sandpiper, 7; Western Sandpiper, 47; Sanderling, 9; Herring Gull, 17; Ring-billed Gull, 37; Laughing Gull, 1162; Bonaparte's Gull, 5; Forster's Tern, 5; Common Tern, 1; Royal Tern, 276; Sandwich Tern, 3; Mourning Dove, 5; Ground Dove, 6; Belted Kingfisher, 14; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Western Kingbird, 6; Mockingbird, 6; Catbird, 13; Blue-gray Gnatcatcher, 6; Myrtle Warbler, 2; Prairie Warbler, 5; Palm Warbler, 92; Northern Waterthrush, 3; Yellowthroat, 17; House Sparrow, 2; Redwinged Blackbird, 19; **Bullock's Oriole, 1** (F.C., W.R.); Cardinal, 3; Painted Bunting, 2; Savannah Sparrow, 6; **Lincoln's Sparrow, 1** (W.R., F.C.). **Total,** 62 species; about 2662 individuals.—Mrs. Christine A. Bonney, Mrs. Francis V. Crane (compiler), Leo J. Johnston, Mrs. Leo J. Johnston, William B. Robertson.

262. Myakka River State Park, Fla. (all points within a 15-mile diameter circle, center same as last year).—Dec. 21; 6 a.m. to 5:30 p.m. Light to heavy rain a.m., cold front, followed by gusty winds, passed at noon; temp. 50° to 66°; wind NW, 0-20 m.p.h. Eleven observers in 4 parties. Total party-hours, 29 (5 on foot, 24 by car); total party-miles, 83 (5 on foot, 78 by car). ► Pied-billed Grebe, 10; Double-crested Cormorant, 2; Anhinga, 34; Great Blue Heron, 49; Green Heron, 6; Little Blue Heron, 63; Cattle Egret, 15; Common Egret, 76; Snowy Egret, 222; Louisiana Heron, 63; Black-crowned Night Heron, 4; Yellow-crowned Night Heron, 6; Wood Ibis, 7; White Ibis, 81; Mottled Duck, 91; Pintail, 79; Green-winged Teal, 32; Blue-winged Teal, 24; Am. Widgeon, 9; Ring-necked Duck, 2; Lesser Scaup, 13; Hooded Merganser, 172; Turkey Vulture, 57; Black Vulture, 373; Red-shouldered Hawk, 27; Bald Eagle, 3; Marsh Hawk, 7; Osprey, 1; Sparrow Hawk, 29; Bobwhite, 7; Turkey, 104; Sandhill Crane, 15; **Limpkin, 1**; Killdeer, 200; Black-bellied Plover, 1; Common Snipe, 124; Greater Yellowlegs, 130; Lesser Yellowlegs, 44; Least Sandpiper, 125; Short-billed Dowitcher, 80; Semipalmated Sandpiper, 3; Laughing Gull, 1; Forster's Tern, 11; Mourning Dove, 27; Ground Dove, 5; Barred Owl, 4; **Whip-poor-will, 1** (A.C.); Belted Kingfisher, 30; Yellow-shafted Flicker, 6; Pileated Woodpecker, 5; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Eastern Phoebe, 22; Tree Swallow, **15,000**; Blue Jay, 41; Common Crow, 49; Tufted Titmouse, 7; Carolina Wren, 7; Mockingbird, 43; Catbird, 10; Brown Thrasher, 4; Robin, 700+; Hermit Thrush, 1; Eastern Bluebird, 39; Blue-gray Gnatcatcher, 39; Ruby-crowned Kinglet, 5; Water Pipit, 50; Loggerhead Shrike, 14; Starling, 53; White-eyed Vireo, 2; Black-and-white Warbler, 12; Orange-crowned Warbler, 2; Myrtle Warbler, 50; Yellow-throated Warbler, 28; Pine Warbler, 5; Palm Warbler, 176; Yellowthroat, 5; Eastern Meadowlark, 83; Redwinged Blackbird, 1300+; Boat-tailed Grackle, 76; Common Grackle, 326; Cardinal, 38; Am. Goldfinch, 33; Rufous-sided Towhee, 13; Vesper Sparrow, 6; Chipping Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 89 species; about 20,734 individuals. (Seen in area count period, but not on count day: Prairie Warbler, Savannah Sparrow.)—Mr. and Mrs. H. G. Bower, Mr. and Mrs. A. C. Brettle, Allen Crowley, Mrs. Walter Gray, William Z. Harmon, Mr. and Mrs. Orrin W. Letson (compilers), Dorothea Marston, Mrs. Joshua B. Platt (Sarasota Bird Club).

263. Panacea, Fla. (all points within a 15-mile diameter circle, center 2 miles south of Panacea).—

Jan. 2; 5:45 a.m. to 7:10 p.m. Partly cloudy; temp. 40° to 60°; wind NNW, 2-9 m.p.h. Fourteen observers in 7 parties. Total party-hours, 79 (55 on foot, 19 by car, 5 by boat); total party-miles, 247 (47 on foot, 189 by car, 11 by boat). ► Common Loon, 68; **Red-throated Loon, 1** (H.L.); Horned Grebe, 93; Pied-billed Grebe, 5; White Pelican, **12**; Brown Pelican, 1; Double-crested Cormorant, **370**; Anhinga, 1; Great Blue Heron, 52; Green Heron, 1 (A.B., *et al.*); Little Blue Heron, 10; Common Egret, **58**; Louisiana Heron, 14; Black-crowned Night Heron, 5; Yellow-crowned Night Heron, 2; Am. Bittern, 1; Canada Goose, 150; Mallard, 8; Black Duck, 7; Gadwall, **22**; Pintail, 2; Am. Widgeon, 10; Wood Duck, 35; Redhead, 110; Ring-necked Duck, 31; Canvasback, **19**; Greater Scaup, **150** (A.B., *et al.*); Lesser Scaup, 85; scaup (sp.), 800; Common Goldeneye, 75; Bufflehead, 125; Oldsquaw, **4** (2 parties); Ruddy Duck, 18; Hooded Merganser, 8; Red-breasted Merganser, 165; duck (sp.), 300; Turkey Vulture, 37; Black Vulture, 22; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 9; Bald Eagle, 3; Marsh Hawk, 6; Osprey, **4** (3 parties); Pigeon Hawk, 1; Sparrow Hawk, 18; Bobwhite, 60; King Rail, 1; Clapper Rail, **22**; Sora, 7; Common Gallinule, **4**; Am. Coot, 165; Semipalmated Plover, **30**; Piping Plover, 12; Snowy Plover, 3; **Wilson's Plover, 1** (Barbig party); Killdeer, 47; Black-bellied Plover, 45; Ruddy Turnstone, 15; Common Snipe, 3; Spotted Sandpiper, 1; Willet, 300; Greater Yellowlegs, 18; Knot, 13; Least Sandpiper, **75**; Dunlin, **970**; Short-billed Dowitcher, 135; Western Sandpiper, 70; Marbled Godwit, **100**; Sanderling, 115; Herring Gull, **480**; Ring-billed Gull, **800**; Laughing Gull, 40; Bonaparte's Gull, 39; Forster's Tern, **275**; Royal Tern, 25; Caspian Tern, 3; Black Skimmer, 20; Mourning Dove, 1; Ground Dove, 8; Screech Owl, **5**; Great Horned Owl, **6**; Barred Owl, 2; Belted Kingfisher, **41**; Yellow-shafted Flicker, 65; Pileated Woodpecker, **14**; Red-bellied Woodpecker, **61**; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 3; Downy Woodpecker, 17; Red-cockaded Woodpecker, 2; Eastern Phoebe, 38; Tree Swallow, 4; Rough-winged Swallow, **12** (Barbigs); Blue Jay, 130; Common Crow, 96; Fish Crow, 23; crow (sp.), 11; Carolina Chickadee, 52; Tufted Titmouse, 28; Brown-headed Nuthatch, 7; Brown Creeper, 3; House Wren, 29; Winter Wren, 1; Carolina Wren, **60**; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 9; Mockingbird, 109; Catbird, 22; Brown Thrasher, 27; Robin, 1050; Hermit Thrush, 5; Eastern Bluebird, 45; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 100; Water Pipit, 3; Cedar Waxwing, 11; Loggerhead Shrike, 12; Starling, 33; Solitary Vireo, 4; Black-and-white Warbler, 3; Orange-crowned Warbler, 20; Myrtle Warbler, 800; Yellow-throated Warbler, 2; Pine Warbler, 19; Palm Warbler, 20; Yellowthroat, 37; House Sparrow, 50; Eastern Meadowlark, 131; Redwinged Blackbird, 180; Rusty Blackbird, **22**; Boat-tailed Grackle, 170; Common Grackle, 80; Cardinal, **150**; Am. Goldfinch, 320; Rufous-sided Towhee, 265; Savannah Sparrow, 14; Sharp-tailed Sparrow, 2; Seaside Sparrow, 1; Vesper Sparrow, **80**; Bachman's Sparrow, 1; Slate-colored Junco, **6**; Chipping Sparrow, 22; Field Sparrow, 15; White-throated Sparrow, 170; Swamp Sparrow, 52; Song Sparrow, 32. **Total,** 146 species; about 11,670 individuals. (Seen in area count period, but not on count day: Common Scoter, Semipalmated Sandpiper.)—Howard and Evelyn Barbig, Arthur C. Borror, John R. Bunnell, Dorothy Dodd, Fred T. Griffin, Horace and Janice Loftin, Storrs L. Olson, Marjorie Ringer, Ernest Stevenson, Henry M. Stevenson (compiler), Mrs. Frank H. Stoutamire, James W. Wesley.

264. Pensacola, Fla. (all points within a 15-mile diameter circle, center in Pensacola Bay 1 mile east of Magnolia Bluff as in past 5 years; city and suburban 8%, bay shores and open bay 21%, scrub oak 2%, Live Oak and deciduous woods 20%, pine woods 16%, pasture and cut-over woods 21%, wooded swamps 2%, fresh-water ponds 4%, salt and brackish marsh 4%, Gulf beach and dunes 2%).—Dec. 31; 7 a.m. to 5:15 p.m. Cloudy, 2-in. rain; temp. 52° to 67°; wind SE to S, 16-**49** m.p.h. Eleven observers in 4 parties. Total party-hours, 34 (15 on foot, 19 by car); total party-miles, 193 (10 on foot, 183 by car). ► Common Loon, 48; Horned Grebe, 22; Pied-billed Grebe, 5; Brown Pelican, 3; Gannet, 13; Double-crested Cormorant, 106; Great Blue Heron, 2; Common Egret, 2; Lesser Scaup, 85; Common Goldeneye, 24; Bufflehead, 15; Red-breasted Merganser, 27; Marsh Hawk, 6; Sparrow Hawk, 13; Killdeer, 29; Black-bellied Plover, 19; Willet, 15; Dunlin, 8; Sanderling, 31; Herring Gull, 61; Ring-billed Gull, 132; Laughing Gull, 69; Bonaparte's Gull, 130; Forster's Tern, 44; Royal Tern, 7; Mourning Dove, 58; Belted Kingfisher, 8; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 5; Eastern Phoebe, 5; Blue Jay, 86; Common Crow, 10; Fish Crow, 28; Carolina Chickadee, 8; Tufted Titmouse, 33; Brown Creeper, 1; House Wren, 6; Carolina Wren, 13; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 27; Mockingbird, 39; Catbird, 1; Brown Thrasher, 17; Robin, 581; Hermit Thrush, 1; Eastern Bluebird, 20; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 79; Cedar Waxwing, 154; Loggerhead Shrike, 7; Starling, 78; Solitary Vireo, 3; Orange-crowned Warbler, 8; Myrtle Warbler, 651; Yellow-throated Warbler, 1; Pine Warbler, 33; Palm Warbler, 1; Yellowthroat, 4; House Sparrow, 72; Eastern Meadowlark, 125; Redwinged Blackbird, 3268; **Brewer's Blackbird, 2**; Common Grackle, 10; Cardinal, 32; Am. Goldfinch, 112; Rufous-sided Towhee, 70; Savannah Sparrow, 49; Sharp-tailed Sparrow, 2; Seaside Sparrow, 40; Vesper Sparrow, 7; Slate-colored Junco, 9; Field Sparrow, 26; White-throated Sparrow, 583; Swamp Sparrow, 18; Song Sparrow, 7. **Total,** 79 species; about 7355 individuals. (Seen in area count period, but not on count day: Turkey Vulture, Common Snipe, Pileated Woodpecker.)—Joyce T. Baxter, Frank Bray, L. E. Goodnight, Charles J. Kahn, Mrs. C. O. Noall, R. D. Olmstead, Alan C. Sheppard, Maleta M. Wernicke, Michael Wernicke, Francis M. Weston (compiler), A. Frederick Wicke, Jr.

265. St. Marks, Fla. (all points within a 15-mile diameter circle, center 1 mile SW of St. Marks; coverage comparable to that in 1957, less pine woods included than in 1959).—Dec. 31; 6 a.m. to 6 p.m. Overcast and foggy, rain most of afternoon; temp. 54° to 64°; wind SSE, 5-20 m.p.h. Eighteen observers in 7-8 parties. Total party-hours, 66 (53 on foot, 11 by car, 2 by boat); total party-miles, 205 (53 on foot, 144 by car, 8 by boat). ► Common Loon, 9; Horned Grebe, 24; Pied-billed Grebe, 80; Brown Pelican, 2; Double-crested Cormorant, 180; Anhinga, 25; Great Blue Heron, 48; Green Heron, 3; Little Blue Heron, 130; Common Egret, 110; Snowy Egret, 70; Louisiana Heron, **140**; Black-crowned Night Heron, 13; Am. Bittern, **5**; Canada Goose, 2385; Snow Goose, 3; Blue Goose, 5; goose, 50 (Blue-Snow in fog); Mallard, 120; Black Duck, 40; Gadwall, 125; Pintail, 270; Green-winged Teal, 120; Blue-winged Teal, 2; Am. Widgeon, 285; Shoveler, 6; Wood Duck, 39; Redhead, 370; Ring-necked Duck, 185; Canvasback, **82**; Greater Scaup, 3; Lesser Scaup, 14; scaup (sp.), 580; Common Goldeneye, 7; Bufflehead, 40; Ruddy Duck, 55; Hooded Merganser, 6; Common Merganser, 1 (H.L.); Red-breasted Merganser, 34; duck (sp.), 170; Turkey Vulture, 80; Black Vulture, 55; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 9; **Golden Eagle, 1** (H.M.S., *et al.*); Bald Eagle, 3; Marsh Hawk, 14; Sparrow Hawk, 14; Bobwhite, 2; Turkey, 2; Limpkin, 11; King Rail, 7; Clapper Rail, 7; Virginia Rail, 1; Sora, 4; **Yellow Rail, 1** (flushed almost under foot—H.M.S.); Common Gallinule, **73**; Am. Coot, 1700; Am. Oystercatcher, 1; Semipalmated Plover, 13; Killdeer, 49; Black-bellied Plover, 55; Ruddy Turnstone, 60; Am. Woodcock, 1; Common Snipe, 23; Spotted Sandpiper, 7 (H.L., A.B.); Willet, 65; Greater Yellowlegs, 3; Lesser Yellowlegs, 8; Least Sandpiper, 8; Dunlin, 1000; Short-billed Dowitcher, 80; Western Sandpiper, 30; Marbled Godwit, 1 (H.L.); Sanderling, 25; Herring Gull, 42; Ring-billed Gull, 215; Laughing Gull, 1; Forster's Tern, 22; Black Skimmer, **20**; Mourning Dove, 22; Ground Dove, 4; Screech Owl, 2; Great Horned Owl, 3; Barred Owl, 6; Belted Kingfisher, 27; Yellow-shafted Flicker, **151**; Pileated Woodpecker, 20; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 32; Hairy Woodpecker, 7; Downy Woodpecker, 17; Red-cockaded Woodpecker, 1; Eastern Phoebe, 42; Tree Swallow, 380; Blue Jay, 125; Common Crow, 66; Fish Crow, 14; Carolina Chickadee, 48; Tufted Titmouse, 59; Brown-headed Nuthatch, 5; Brown Creeper, 4; House Wren, 34; Winter Wren, 3; Carolina Wren, 66; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, **27**; Mockingbird, 74; Catbird, 16; Brown Thrasher, 52; Robin, **2500**; Hermit Thrush, 6; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 19; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 151; Water Pipit, 60; Cedar Waxwing, 100; Loggerhead Shrike, 9; Starling, 75; White-eyed Vireo, 2; Solitary Vireo, 9; Black-and-white Warbler, 16; Orange-crowned Warbler, 16; Myrtle Warbler, 850; Yellow-throated Warbler, 7; Pine Warbler, 13; Palm Warbler, 9; Yellowthroat, 75; Eastern Meadowlark, 170; Redwinged Blackbird, **50,800**; Boat-tailed Grackle, 130; Common Grackle, 600; Cardinal, **228**; Am. Goldfinch, 145; Rufous-sided Towhee, 226; Savannah Sparrow, **98**; Grasshopper Sparrow, 1 (J.D., J.A.); Sharp-tailed Sparrow, 6; Seaside Sparrow, 5; Vesper Sparrow, 32; Bachman's Sparrow, 4; Slate-colored Junco, **35**; Chipping Sparrow, 10; Field Sparrow, 11; White-throated Sparrow, 160; Swamp Sparrow, 84; Song Sparrow, 37. **Total,** 147 species; about 67,675 individuals. (Seen in area count period, but not on count day: **Glossy Ibis** (sp.?), **Am. Golden Plover.**)—Julius Ariail, Jr., Howard and Evelyn Barbig, Dr. and Mrs. R. N. Birdwhistell, Arthur C. Borror, John R. Bunnell, Eugene and Mary Lou Cypert, Dorothy Dodd, Jack Dozier, Eugene Driver, Horace Loftin, Storrs L. Olson, Mrs. G. J. Ringer, Henry M. Stevenson (compiler), Mrs. Frank H. Stoutamire, Edwin L. Tyson.

266. St. Petersburg, Fla. (all points within a 15-mile diameter circle, center 30th Ave. at 15 St., including most of Pinellas Peninsula south of Largo; salt shores 30%, lake and ponds 10%, marsh 10%, woods 10%, fields and pastures 10%, roadsides 10%, residential 20%).—Dec. 31; 5 a.m. to 5:50 p.m. Fog to partly cloudy with rain; temp. 62° to 72°; wind SE, 0-15 m.p.h. Thirty-nine observers in 15 parties. Total party-hours, 111 (78 on foot, 33 by car); total party-miles, 362 (63 on foot, 299 by car). ► Common Loon, 7; Horned Grebe, 11; Pied-billed Grebe, 15; White Pelican, 1; Brown Pelican, 475; Double-crested Cormorant, 553; Anhinga, 40; Great Blue Heron, 73; Green Heron, 11; Little Blue Heron, 58; Cattle Egret, 9; Common Egret, 93; Snowy Egret, 40; Louisiana Heron, 37; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 23; Least Bittern, 2; Am. Bittern, 1; White Ibis, 172; Mallard, 4; Mottled Duck, 6; Pintail, 38; Wood Duck, 2; Ring-necked Duck, 18; Lesser Scaup, 29; Ruddy Duck, 9; Hooded Merganser, 10; Red-breasted Merganser, 102; Turkey Vulture, 76; Black Vulture, 41; Red-tailed Hawk, 16; Red-shouldered Hawk, 6; Bald Eagle, 9; Marsh Hawk, 18; Osprey, 1; Peregrine Falcon, 2; Sparrow Hawk, 50; Bobwhite, 147; Clapper Rail, 4; Sora, 3; Common Gallinule, 98; Am. Coot, 67; Am. Oystercatcher, 14; Semipalmated Plover, 69; Piping Plover, 6; Wilson's Plover, 23; Killdeer, 179; Black-bellied Plover, 104; Ruddy Turnstone, 219; Common Snipe, 30; Whimbrel, 2; Spotted Sandpiper, 16; Willet, 294; Greater Yellowlegs, 3; Lesser Yellowlegs, 5; Least Sandpiper, 395; Dunlin, 1493; Short-billed Dowitcher, 95; Semipalmated Sandpiper, 1275; Western Sandpiper, 202; Marbled Godwit, **107**; Sanderling, 231; Herring Gull, 3474; Ring-billed Gull, 21,987; Laughing Gull, 1147; Bonaparte's Gull, 12; Forster's Tern, 41; **Common Tern, 1**; Royal Tern, 620; Caspian Tern, 8; Black Skimmer, 568; Mourning Dove, 1268; Ringed Turtle Dove, 15; Ground Dove, 49; Screech Owl, 1; Belted Kingfisher, 51; Yellow-shafted Flicker, 52; Pileated Woodpecker, 1; Red-bellied Woodpecker, 104; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 5; Eastern Kingbird, 1 [no details—ED.]; **Great Crested Flycatcher, 2**; Eastern Phoebe, 2; Tree Swallow, 21; Blue Jay, 275; Common Crow, 12; Fish Crow, 878; Tufted Titmouse, 14; House Wren, 15; Winter Wren,

1; Carolina Wren, 21; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 398; Catbird, 113; Brown Thrasher, 10; Robin, 5586; Hermit Thrush, 3; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 24; Water Pipit, 24; Loggerhead Shrike, 64; Starling, 154; White-eyed Vireo, 4; Solitary Vireo, 4; Black-and-white Warbler, 2; Orange-crowned Warbler, 1; **Yellow Warbler, 1** (L.G., W.H., A.S.); **Magnolia Warbler, 2** (O.Z.); **Black-throated Blue Warbler, 1**; Myrtle Warbler, 330; Yellow-throated Warbler, 6; Pine Warbler, 13; Prairie Warbler, 11; Palm Warbler, 304 (some Yellow); Ovenbird, 3; Yellowthroat, 50; Am. Redstart, 3; House Sparrow, 313; Eastern Meadowlark, 233; **Western Meadowlark, 6** (by song—A.S.); Redwinged Blackbird, 1624; Baltimore Oriole, 1; Brewer's Blackbird, 1 [no details—Ed.]; Boat-tailed Grackle, 257; Common Grackle, 45; Brown-headed Cowbird, 693; Cardinal, 149; Rose-breasted Grosbeak, 1 [no details—Ed.]; Painted Bunting, 2; Am. Goldfinch, 37; Rufous-sided Towhee, 87; Savannah Sparrow, 94; Grasshopper Sparrow, 1; Vesper Sparrow, 1; Chipping Sparrow, 16; White-crowned Sparrow, 2; Swamp Sparrow, 17; Song Sparrow, 10. **Total,** 140 species (1 additional race); about 48,496 individuals. (Seen in area count period, but not on count day: Blue Goose, Great Horned Owl, Hairy Woodpecker, Indigo Bunting; parakeets, mynas frequently seen in open but no record of nesting.) [Mississippi Kite, 3; White-rumped Sandpiper, 3; Red-eyed Vireo, 1 with no or unsatisfactory details removed from list—Ed.]—Mr. and Mrs. Biringer, Mrs. Stephan Chase, Ted and Hope Curtiss, Rev. Duncan and Clara Bell Dodd, Leella Grimes, Mrs. Hanrahan, Mrs. William Hayes, Winnie Horne, R. L. La Bolle, Elizabeth Leach, J. Marshall Magner, Chip Magner, Robin Magner, Christie Mason, Daisie M. Morrison (compiler), Mary Lou Mills, Mrs. Antoinette Morgan, Mr. and Mrs. Charles Norris, Jack O'Niel, Mrs. C. R. Pettibone, Sally Pomeroy, Carl Radder, Gloria Runton, Lucy Rising, Mr. and Mrs. Phillip Sandlin, Mr. and Mrs. Thomas Shea, Harry Slocum, Mrs. A. T. Smith, Frances Smith, Mr. and Mrs. Ayers Stevens, Rev. C. E. Valentine, Olga Zurcher.

267. Sarasota, Fla. (all points within a 15-mile diameter circle, center 3.7 miles east of intersection of Tamiami Trail and Bee Ridge Road; gulf beach 11%, bay shore 22%, residential 20%, pine woods 6%, mixed woods 6%, fresh-water ponds 5%, ranches and farmlands 30%).—Dec. 27; 5:30 a.m. to 5:30 p.m. Cloudy, some clearing p.m.; temp. 52° to 73°; wind E, 5-12 m.p.h. Twenty-three observers in 8 parties. Total party-hours, 76 (38 on foot, 37 by car, 1 by boat); total party-miles, 295 (30 on foot, 263 by car, 2 by boat). ► Common Loon, 8; Pied-billed Grebe, 5; Brown Pelican, 192; Double-crested Cormorant, 294; Anhinga, 25; Great Blue Heron, 29; Green Heron, 4; Little Blue Heron, 64; Cattle Egret, 34; Common Egret, 41; Snowy Egret, 62; Louisiana Heron, 26; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 7; Wood Ibis, 2; White Ibis, 33; Mottled Duck, 20; **Wood Duck, 2**; Hooded Merganser, 19; Red-breasted Merganser, 273; Turkey Vulture, 53; Black Vulture, 73; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 23; Bald Eagle, 2; Marsh Hawk, 3; Osprey, 2; Sparrow Hawk, 52; Bobwhite, 236; Turkey, 5; Sandhill Crane, 54; Common Gallinule, 1; Am. Coot, 27; Semipalmated Plover, 4; Piping Plover, 8; Snowy Plover, 4; Wilson's Plover, 5; Killdeer, 139; Black-bellied Plover, 91; Ruddy Turnstone, 42; Common Snipe, 30; Spotted Sandpiper, 4; Willet, 9; Greater Yellowlegs, 11; Lesser Yellowlegs, 4; Knot, **920**; Least Sandpiper, 38; Dunlin, 94; Short-billed Dowitcher, 17; Semipalmated Sandpiper, 18; Western Sandpiper, 13; Sanderling, 209; Herring Gull, 244; Ring-billed Gull, 4190; Laughing Gull, 358; Forster's Tern, 29; Royal Tern, 322; Sandwich Tern, 4; Black Skimmer, 634; Mourning Dove, 665; Ground Dove, 71; Great Horned Owl, 1; Barred Owl, 5; Belted Kingfisher, 35; Yellow-shafted Flicker, 50; Pileated Woodpecker, 1; Red-bellied Woodpecker, 68; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 2; Eastern Phoebe, 9; Tree Swallow, **20,050**; Blue Jay, 147; Scrub Jay, 8; Common Crow, 16; Fish Crow, 30; Tufted Titmouse, 13; House Wren, 11; Carolina Wren, 24; Mockingbird, 300; Catbird, 71; Brown Thrasher, 17; Robin, 4425; Eastern Bluebird, 34; Blue-gray Gnatcatcher, 66; Ruby-crowned Kinglet, 4; Water Pipit, 33; Loggerhead Shrike, 121; Starling, 53; White-eyed Vireo, 8; Solitary Vireo, 3; Black-and-white Warbler, 7; Orange-crowned Warbler, 1; Myrtle Warbler, 50; Yellow-throated Warbler, 11; Pine Warbler, 19; Prairie Warbler, 1; Palm Warbler, 294; Ovenbird, 1; Yellowthroat, 27; House Sparrow, 528; Eastern Meadowlark, 216; Redwinged Blackbird, 1775; Baltimore Oriole, 1; Boat-tailed Grackle, 185; Common Grackle, 226; Brown-headed Cowbird, 470; Cardinal, 194; **Indigo Bunting, 21**; Painted Bunting, **29**; **Dickcissel, 4** (at feeding station); Am. Goldfinch, 120; Rufous-sided Towhee, 70; Savannah Sparrow, 36; **Lark Sparrow, 1**; Chipping Sparrow, 18; Swamp Sparrow, 5; Song Sparrow, 2. **Total,** 119 species; about 39,783 individuals. (Seen in area count period, but not on count day: Ruby-throated Hummingbird.)—Charles W. Atwood, Mr. and Mrs. H. G. Bower, Mr. and Mrs. L. Roy Brace, Mr. and Mrs. A. C. Brettle, Mrs. Leon Brown, Mrs. George A. Fuller, Guy H. Goodman, Guy H. Goodman, Jr., S. Carlton Harmon, Mr. and Mrs. W. A. Hartman, Mr. and Mrs. Orrin W. Letson, Dorothea Marston, Mrs. Joshua Platt, Mrs. Charles P. Preston, Charles P. Preston (compiler), Mrs. Lillian C. Stoner, George Teel, Mrs. Henry P. Truchot (Sarasota Bird Club and guests).

268. Stuart, Fla. (all points within a 15-mile diameter circle, center at U. S. 1 and 4th St. as last year; ocean and beaches 10%, inlet and tidal flats 15%, St. Lucie and Indian Rivers and shores 15%, causeways 5%, mangrove 5%, scrub oak 5%, pine woods 10%, fresh-water ponds and marsh 5%, pasture 10%, jungle and hammock 15%, residential 5%).—Dec. 30; 7:15 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 62° to 81°; wind ENE, 0-5 m.p.h.; fresh-water levels low. Seven observers in 4 parties. Total party-hours, 32 (25 on foot, 7 by car); total

party-miles, 76 (22 on foot, 54 by car). ► Common Loon, 8; **White Pelican, 2**; Brown Pelican, 615; Double-crested Cormorant, 124; Anhinga, 20; Magnificent Frigate-bird, 6; Great Blue Heron, 55; Green Heron, 1; Little Blue Heron, 25; Cattle Egret, 15; Common Egret, 22; Snowy Egret, 7; Louisiana Heron, 3; Yellow-crowned Night Heron, 1; Wood Ibis, 10; White Ibis, 5; Mottled Duck, 1; Lesser Scaup, 1; Red-breasted Merganser, 8; Turkey Vulture, 40; Black Vulture, 11; Sharp-shinned Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 7; Marsh Hawk, 3; Osprey, 11; Sparrow Hawk, 86; Bobwhite, 100+; Sandhill Crane, 9; Common Gallinule, 3; Am. Coot, 16; Semipalmated Plover, 3; Piping Plover, 1; Black-bellied Plover, 36; Ruddy Turnstone, 45; Spotted Sandpiper, 4; Dunlin, 11; Western Sandpiper, 1; Sanderling, 200+; Herring Gull, 131; Ring-billed Gull, 406; Laughing Gull, 73; Bonaparte's Gull, 7; Forster's Tern, 11; Royal Tern, 600+; Caspian Tern, 20; Black Skimmer, 225; Mourning Dove, 72; Ground Dove, 38; Screech Owl, 1; Whip-poor-will, 1; Ruby-throated Hummingbird, 2; Belted Kingfisher, 14; Yellow-shafted Flicker, 12; Pileated Woodpecker, 5; Red-bellied Woodpecker, 47; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 12; Red-cockaded Woodpecker, 1; Great Crested Flycatcher, 1; Eastern Phoebe, 9; Tree Swallow, 1350+; Blue Jay, 61; Scrub Jay, 4; Common Crow, 2; Fish Crow, 77; House Wren, 12; Carolina Wren, 7; Mockingbird, 66; Catbird, 15; Brown Thrasher, 13; Robin, 2020+; Hermit Thrush, 1; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 23; Ruby-crowned Kinglet, 1; Cedar Waxwing, 35; Loggerhead Shrike, 19; White-eyed Vireo, 2; Black-and-white Warbler, 4; Myrtle Warbler, 38; Yellow-throated Warbler, 4; Pine Warbler, 12; Prairie Warbler, 9; Palm Warbler, 59; Ovenbird, 3; Yellowthroat, 26; House Sparrow, 52; Eastern Meadowlark, 30; Red-winged Blackbird, 121; Rusty Blackbird, **16**; Boat-tailed Grackle, 54; Common Grackle, 55; Cardinal, 64; Indigo Bunting, 2; Painted Bunting, 15; Am. Goldfinch, 20; Rufous-sided Towhee, 4; Savannah Sparrow, 35; Chipping Sparrow, 14; Swamp Sparrow, 1. **Total,** 102 species; about 7565 individuals.—Mrs. Barbara Corliss, Mrs. Frederick W. Hazlewood, Frank Heagy, Lyle S. Hubbard (compiler), Hazel Orman, Lulu Roth, Sister Mary John.

269. Tangerine–Mt. Dora, Fla. (all points within a 15-mile diameter circle, center Tangerine Store including Tangerine, Lake Jem, Duda and Zellwood Farms, Mount Dora, Lake Shore Drive, Lake Gertrude; farm mucklands, dairy farm, shores of lakes and ponds, scrub, dump, residential).—Dec. 21; 7 a.m. to 5 p.m. Rain a.m., clear p.m.; temp. 53° to 65°; wind 15-20 m.p.h. Seven observers in 2 parties. Total party-hours, 19 (3 on foot, 15 by car); total party-miles, 78 (2 on foot, 76 by car). ► Pied-billed Grebe, 20; Anhinga, 6; Great Blue Heron, 17; Little Blue Heron, 6; Cattle Egret, 66; Common Egret, 12; Snowy Egret, 1; Black-crowned Night Heron, 1; **Blue Goose, 3** (adults in area 2 weeks); Mallard, 2; Mottled Duck, 6; Pintail, 150; Blue-winged Teal, 3; Am. Widgeon, 200; Shoveler, 20; Ring-necked Duck, 119; Canvasback, 1; Lesser Scaup, 4; Bufflehead, 2; Ruddy Duck, 143; Turkey Vulture, 22; Black Vulture, 9; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Bald Eagle, 3; Marsh Hawk, 13; Sparrow Hawk, 43; Bobwhite, 2; Sandhill Crane, 2; Common Gallinule, 8; Am. Coot, 3434; Killdeer, 84; **Am. Golden Plover, 1** (within 6 ft. of car—Mason party); Black-bellied Plover, 18; Common Snipe, 56; Spotted Sandpiper, 1; Greater Yellowlegs, 7; Lesser Yellowlegs, 14; Least Sandpiper, 16; Dunlin, 24; Semipalmated Sandpiper, 11; Herring Gull, 37; Ring-billed Gull, 1739; Bonaparte's Gull, 11; Forster's Tern, 5; Royal Tern, 1; Mourning Dove, 65; Ground Dove, 30; Belted Kingfisher, 7; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 2; Downy Woodpecker, 1; Eastern Phoebe, 8; Tree Swallow, **150,102**; Blue Jay, 36; Scrub Jay, 3; Fish Crow, 111; Tufted Titmouse, 6; House Wren, 13; Carolina Wren, 2; Mockingbird, 67; Catbird, 21; Brown Thrasher, 6; Robin, 81; Blue-gray Gnatcatcher, 5; Ruby-crowned Kinglet, 24; Water Pipit, **411**; Loggerhead Shrike, 63; Starling, 33; White-eyed Vireo, 1; Solitary Vireo, 1; Orange-crowned Warbler, 3; Myrtle Warbler, 92; Yellow-throated Warbler, 3; Prairie Warbler, 2; Palm Warbler, 120; Yellowthroat, 26; House Sparrow, 61; Eastern Meadowlark, 82; Redwinged Blackbird, 5148; **Baltimore Oriole, 1**; Boat-tailed Grackle, 268; Common Grackle, 37; Brown-headed Cowbird, 290; Cardinal, 73; Painted Bunting, 1; Am. Goldfinch, 3; Rufous-sided Towhee, 18; Savannah Sparrow, 64; Chipping Sparrow, 2; White-throated Sparrow, 2; Swamp Sparrow, 7; Song Sparrow, 3. **Total,** 94 species; about 163,783 individuals.—Dorcas Brigham (compiler), W. M. Davidson, Mrs. R. A. Drury, Mrs. Howard Hosford, Margaret Hundley, C. Russell Mason, Mrs. James L. Moody.

270. Titusville–Merritt Island, Fla. (all points within a 15-mile diameter circle, center same as in previous years).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 47° to 65°; wind NW, 12 m.p.h. Twenty observers in 4 parties. Total party-hours, 40 (23 on foot, 17 by car); total party-miles, 199 (13 on foot, 186 by car). ► Common Loon, 6; **Red-throated Loon, 1**; Horned Grebe, 69; Pied-billed Grebe, 193; White Pelican, 113; Brown Pelican, 201; Gannet, 6; Double-crested Cormorant, 1819; Anhinga, 2; Great Blue Heron, 43; Green Heron, 15; Little Blue Heron, 178; Cattle Egret, 11; Common Egret, 177; Snowy Egret, 210; Louisiana Heron, 92; Wood Ibis, 154; White Ibis, 3; **Blue Goose, 4**; Black Duck, 4; Mottled Duck, 2; Pintail, 1; Green-winged Teal, 10; Blue-winged Teal, 2; Am. Widgeon, 1; Redhead, 2; Ring-necked Duck, 91; Canvasback, 12; **Greater Scaup, 3** (M.H., C.R.M.); Lesser Scaup, 41,162; **Oldsquaw, 1**; Ruddy Duck, 82; Hooded Merganser, 4; Red-breasted Merganser, 27; Turkey Vulture, 87; Black Vulture, 9; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 5; Bald Eagle, 1; Marsh Hawk, 19; Osprey, 1; Peregrine Falcon, 1; Sparrow Hawk, 67; Bobwhite, 7; King Rail, 1; Clapper Rail, 6; Sora, 6; **Black Rail, 1**; Common Gallinule, 4; Am. Coot, 700+; Killdeer, 74; Black-bellied Plover, 31; Ruddy Turnstone, 177; Common Snipe, 14; Spotted Sandpiper, 8; Willet, 5; Greater Yellowlegs, 12; Lesser

Yellowlegs, 9; Knot, 8; Least Sandpiper, 6; Dunlin, 330; Semipalmated Sandpiper, 23; Sanderling, 147; Great Black-backed Gull, 1; Herring Gull, 181; Ring-billed Gull, 2343+; Laughing Gull, 9; Bonaparte's Gull, 65; Forster's Tern, 27; Royal Tern, 65; Caspian Tern, 8; Black Skimmer, 9; Mourning Dove, 22; Ground Dove, 33; Belted Kingfisher, 36; Yellow-shafted Flicker, 30; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 8; Downy Woodpecker, 3; Eastern Phoebe, 16; **Vermilion Flycatcher, 1** (F.A. party); Tree Swallow, 6624+; Blue Jay, 28; Scrub Jay, 34; Common Crow, 6; Fish Crow, 1347; House Wren, 22; Carolina Wren, 12; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 71; Catbird, 34; Brown Thrasher, 8; Robin, 5783; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 11; **Golden-crowned Kinglet, 2** (F.A. party); Ruby-crowned Kinglet, 17; Loggerhead Shrike, 15; White-eyed Vireo, 2; Black-and-white Warbler, 4; Orange-crowned Warbler, 23; Myrtle Warbler, 411; Yellow-throated Warbler, 3; Pine Warbler, 30; Prairie Warbler, 9; Palm Warbler, 263; Yellowthroat, 22; House Sparrow, 30; Eastern Meadowlark, 30; Red-winged Blackbird, 793+; Boat-tailed Grackle, 244; Common Grackle, 27; Brown-headed Cowbird, 1; Cardinal, 41; Am. Goldfinch, 27; Rufous-sided Towhee, 22; Savannah Sparrow, 73; Grasshopper Sparrow, 1; Henslow's Sparrow, 1; Dusky Seaside Sparrow, 2; Chipping Sparrow, 4; White-throated Sparrow, 7; Swamp Sparrow, 22; Song Sparrow, 11. **Total,** 128 species; about 65,469 individuals.—F. J. Ackermann, Mrs. Thelma Acosta, Mrs. Rose Block, Mr. and Mrs. Ralph Branch, Dorcas Brigham, Dennis Bryson, W. M. Davidson (compiler), Mrs. Peggy Dence, Irwin Fritz, Clay Galton, Lydia Hamilton, Gary Hicks, Mr. and Mrs. Roy Henderson, Margaret Hundley, C. R. Mason, Mrs. Donald Norton, G. W. Rawson, Ira J. Weigley.

271. West Palm Beach, Fla. (all points within a 15-mile diameter circle, center 0.7 mile southwest of Forest Hill Blvd. and Congress Ave.; fields and pastures 23%, fresh-water ponds, canals and marshes 18%, residential 15%, brackish lake 11%, mangrove 10%, pinelands 8%, cypress 7%, pine-scrub oak 5%, ocean and beach 3%).—Dec. 27; 4 a.m. to 5:30 p.m. Overcast; temp. 55° to 75°; wind N, 0-10 m.p.h. Forty-three observers in 12-15 parties. Total party-hours, 87 (52 on foot, 34 by car, 1 by boat); total party-miles, 391 (35 on foot, 352 by car, 4 by boat). ► Common Loon, 1; Pied-billed Grebe, 26; Brown Pelican, 151; Gannet, 6; Double-crested Cormorant, 18; Anhinga, 14; Great Blue Heron, 65; Green Heron, 10; Little Blue Heron, 42; Cattle Egret, 1043; Common Egret, 96; Snowy Egret, 3; Louisiana Heron, 6; Black-crowned Night Heron, 2; Yellow-crowned Night Heron, 3; White Ibis, 7; **Black Duck, 1**; Mottled Duck, 18; Green-winged Teal, 3; Blue-winged Teal, 10; Am. Widgeon, 4; Ring-necked Duck, 75; **Greater Scaup, 1** (R.C.); Lesser Scaup, 5; Red-breasted Merganser, 9; Turkey Vulture, 92; Black Vulture, 104; Red-tailed Hawk, 4; Red-shouldered Hawk, 9; Marsh Hawk, 15; Osprey, 5; Pigeon Hawk, 1; Sparrow Hawk, 43; Bobwhite, 113; Limpkin, 5; King Rail, 1; Purple Gallinule, **9**; Common Gallinule, **187**; Am. Coot, 531; Semipalmated Plover, 29; Killdeer, 36; Black-bellied Plover, 47; Ruddy Turnstone, 47; Common Snipe, 9; Spotted Sandpiper, 1; Greater Yellowlegs, 4; Lesser Yellowlegs, 2; Semipalmated Sandpiper, 16; Sanderling, 127; Herring Gull, 20; Ring-billed Gull, 1063; Laughing Gull, 91; Bonaparte's Gull, 9; Common Tern, 1; Royal Tern, 19; Caspian Tern, 2; Black Skimmer, 43; Mourning Dove, 386; Ground Dove, 48; Smooth-billed Ani, 6; Barn Owl, 1; Screech Owl, 5; Burrowing Owl, 3; **Chuck-will's-widow, 2** (H.L.); Whip-poor-will, 1; Ruby-throated Hummingbird, 7; Belted Kingfisher, 31; Yellow-shafted Flicker, 30; Pileated Woodpecker, 1; Red-bellied Woodpecker, 90; Yellow-bellied Sapsucker, 13; Downy Woodpecker, 3; Western Kingbird, 1; Great Crested Flycatcher, 4; Eastern Phoebe, 34; Tree Swallow, 2091; **Purple Martin, 1** (C.F., C.G.); Blue Jay, 40; Scrub Jay, 7; Common Crow, 1; Fish Crow, 1502; House Wren, 35; Carolina Wren, 4; Short-billed Marsh Wren, 2; Mockingbird, 148; Catbird, 103; Brown Thrasher, 9; Robin, 1294; Blue-gray Gnatcatcher, 73; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 72; Starling, **111**; White-eyed Vireo, 11; Solitary Vireo, 7; Black-and-white Warbler, 2; Orange-crowned Warbler, 6; Parula Warbler, 6; Black-throated Blue Warbler, **5**; Myrtle Warbler, 85; **Black-throated Green Warbler, 1**; Yellow-throated Warbler, 6; Pine Warbler, 13; Prairie Warbler, 6; Palm Warbler, 198; Yellowthroat, 34; Yellow-breasted Chat, 1; Am. Redstart, 1; House Sparrow, 343; Eastern Meadowlark, 129; Redwinged Blackbird, 675; Baltimore Oriole, **4**; Boat-tailed Grackle, 213; Common Grackle, 163; Brown-headed Cowbird, 28; Cardinal, 155; Indigo Bunting, 3; Painted Bunting, 89; Am. Goldfinch, 44; Rufous-sided Towhee, 18; Savannah Sparrow, 50; Grasshopper Sparrow, 4; Bachman's Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 1. **Total**, 124 species; about 12,780 individuals. (Seen in area count period, but not on count day: Magnificent Frigate-bird, Mallard, Hooded Merganser, Ovenbird.)—Mr. and Mrs. Frank Akers, Marion Allen, Phillip Allen, Ada Barnes, Mae Brittain, Veronica Carmen, Robert R., René and Bob Cointepoix, Inez and Ward Crossman, Hildegarde Drake, Olga and Cecil Finch, Larry Gargess, Atha and Dwight Green, Lloyd and Mary Holder, William Julian, Roberta Knight, A. M. Langford, H. P. Langridge (compiler), Jimmy Lee, Ervin McIntosh, Louise and Albert Morgan, Helen and Milton Nelson, Donna Northup, Elizabeth O'Kelly, Frances Olson, Mr. and Mrs. C. R. Skelton, Alice Stearns, Ruth Sturrock, Alice Swain, Louise Van Acker (Audubon Society of the Everglades).

272. Ashland, Ohio (all points within a 15-mile diameter circle, center on Route 511, 3½ miles south of Ashland; regular area at Charles Mill Dam reservoir plus Moherman farm NW of Jeromesville; deciduous woods 35%, fields 25%, cultivated fields 5%, marsh and swamps 25%, roadsides 5%, pine plantings 5%) —Dec. 26; 7:30 a.m. to 4:30 p.m. Cloudy, snow late p.m.; temp. 32° to 43°; wind SW to W, 15-20

m.p.h.; lake frozen, ground with 6-8-in. soft snow. Nine observers in 4 parties. Total party-hours, 28½ (28 on foot, ½ by car); total party-miles, 42 (32 on foot, 10 by car). ► Black Duck, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Bobwhite, 1; Ring-necked Pheasant, 14; Killdeer, 2; Common Snipe, 1; Mourning Dove, 28; Barred Owl, 1; Yellow-shafted Flicker, 10; Pileated Woodpecker, 4; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 68; Horned Lark, 5; Blue Jay, 34; Common Crow, 1; Black-capped Chickadee, 78; Tufted Titmouse, 58; White-breasted Nuthatch, 42; Brown Creeper, 14; Carolina Wren, 4; Robin, 31; Eastern Bluebird, 10; Golden-crowned Kinglet, 18; Cedar Waxwing, 43; Starling, 124; Myrtle Warbler, 11; House Sparrow, 178; Eastern Meadowlark, 15; Common Grackle, 12; Brown-headed Cowbird, 6; Cardinal, 104; Purple Finch, 5; Am. Goldfinch, 16; Rufous-sided Towhee, 4; Slate-colored Junco, 111; Tree Sparrow, 356; Chipping Sparrow, 2; White-crowned Sparrow, 4; White-throated Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 122. **Total,** 47 species; about 1576 individuals. —Byron L. Burnett, Paul D. Harwood, Burton C. Kahl (compiler), S. M. Martin, Maurice Newkirk, Stephen W. Simon, Thomas Thornburg, John Tilton.

273. Ashtabula, Ohio (all points within a 15-mile diameter circle, center 1 mile east of Kingsville on Lake Erie; Lake Erie shore from 1 mile west of Ashtabula to Ohio-Pa. line near Conneaut, and 7 miles inland on lake plain; Lake Erie shore 25%, brushy lake plain 20%, streams and ponds 10%, deciduous woods with hemlock and pine 20%, upland farms and marshes 25%).—Dec. 31; 7:30 a.m. to 5 p.m. Clear; temp. 22° to 42°; wind SSW, 15 m.p.h.; 6-8-in. snow, Lake Erie open, inland ponds frozen. Ten observers in 5 parties. Total party-hours, 39 (23 on foot, 16 by car); total party-miles, 245 (33 on foot, 212 by car). ► Mallard, 40; Black Duck, 2; **Wood Duck, 1** (seen well); Canvasback, 8; Common Goldeneye, 268; Bufflehead, 11; Common Merganser, **329**; Red-breasted Merganser, **62**; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; **Rough-legged Hawk, 1**; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Great Black-backed Gull, **11**; Herring Gull, 1112; Ring-billed Gull, 900; Mourning Dove, 28; **Snowy Owl, 1** (regular since Nov. 12); Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 20; Horned Lark, 1; Blue Jay, 54; Common Crow, 7; Black-capped Chickadee, 120; Tufted Titmouse, 5; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 2; Brown Creeper, 4; Robin, **38**; Golden-crowned Kinglet, 1; Cedar Waxwing, 32; Northern Shrike, 1; Starling, **1781**; House Sparrow, 824; Eastern Meadowlark, 1; Cardinal, 88; **Evening Grosbeak, 2**; Pine Siskin, **85**; Am. Goldfinch, 22; Rufous-sided Towhee, **3**; Slate-colored Junco, **325**; Tree Sparrow, **505**; **White-crowned Sparrow, 8** (seen well); **Fox Sparrow, 2**; Song Sparrow, 16; Lapland Longspur, 2. **Total,** 51 species; about 6763 individuals. (Seen in area count period, but not on count day: Horned Grebe, Lesser Scaup, **King Eider,** Barred Owl, Red-bellied Woodpecker, **Red Crossbill, White-winged Crossbill.**)—Jon Ahlquist, Dorland Blackman, Howard Blakeslee, Duane Ferris, N. D. Hazen, James Hewett, J. Paul Perkins, Paul H. Savage (compiler), John Thayer, Howard Walding.

274. Buckeye Lake, Ohio (all points within a 15-mile diameter circle, center Buckeye Lake Park as in past 35 years; deciduous woodlands 50%, brushy swamp and cattail marsh 10%, open farmland 40%). —Jan. 2; 7 a.m. to 5 p.m. Partly cloudy; temp. 25° to 38°; wind W, 0-5 m.p.h.; 10-in. snow in open fields, 14-20-in. snow in weed fields and woodlands. Twenty-eight observers in 6 parties. Total party-hours, 78 (48 on foot, 30 by car); total party-miles, 254 (70 on foot, 184 by car). ► Great Blue Heron, 1; Mallard, 52; Black Duck, 82; Pintail, 1; Green-winged Teal, 1; Am. Widgeon, 1; Cooper's Hawk, 6; Red-tailed Hawk, 22; Red-shouldered Hawk, 6; Rough-legged Hawk; 3; Marsh Hawk, 9; Sparrow Hawk, 32; Bobwhite, 70; Ring-necked Pheasant, 20; Common Snipe, 2; Mourning Dove, **1036**; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 96; Pileated Woodpecker, 5; Red-bellied Woodpecker, 62; Red-headed Woodpecker, **139**; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 204; Horned Lark, 166; Blue Jay, 261; Common Crow, 13; Carolina Chickadee, 189; Tufted Titmouse, 193; White-breasted Nuthatch, 137; Red-breasted Nuthatch, 1; Brown Creeper, 77; Winter Wren, 1; Carolina Wren, 30; Mockingbird, 3; **Brown Thrasher, 1**; Robin, 11; Eastern Bluebird, 1; Golden-crowned Kinglet, 23; Cedar Waxwing, 4; Loggerhead Shrike, 1; Starling, **52,279**; Myrtle Warbler, 5; House Sparrow, 2346; Eastern Meadowlark, **328**; Redwinged Blackbird, **6429**; Rusty Blackbird, **2867**; Common Grackle, **11,254**; Brown-headed Cowbird, **1745**; starling or blackbird (sp.), 50,000; Cardinal, 264; Purple Finch, 1; Am. Goldfinch, 60; Rufous-sided Towhee, 35; Slate-colored Junco, 239; Oregon Junco, 1; Tree Sparrow, 284; White-crowned Sparrow, 2; White-throated Sparrow, 1; Swamp Sparrow, 9; Song Sparrow, **664**; Snow Bunting, 2. **Total,** 65 species; about 131,816 individuals.—David F. Baker, Harold F. Bolin, Donald J. Borror, Roger K. Burnard, Harold E. Burtt, Cloyd A. Dawson, W. Todd Furniss, E. Eugene Good, C. A. Haluska, David Henderson, Irving Kassoy, Ernest Limes, Jr., E. Bruce McLean, Harry D. Moore, R. J. Naskali, James H. Olsen, Edward E. Postle, William B. Price, H. Granville Smith, Donald B. Snyder, Eugene R. Sonnenberg, Elisabeth Stull, William D. Stull, Rodney Suthers, John S. Thomas, Milton B. Trautman (compiler), K. Roger Troutman, Walter A. Tucker (Wheaton Club and guests).

275. Bucyrus, Ohio (all points within a 15-mile diameter circle, center Whetstone School as in previous years; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 15%).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 18° to 25°; wind NE

4 m.p.h.; 8-10-in. crusted snow. Three observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 45 (15 on foot, 30 by car). ► Red-tailed Hawk, 3; Rough-legged Hawk, 1; Sparrow Hawk, 1; Bobwhite, 48; Mourning Dove, 410; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 76; Hairy Woodpecker, 4; Downy Woodpecker, 45; Horned Lark, 10; Blue Jay, 37; Black-capped Chickadee, 8; Tufted Titmouse, 37; White-breasted Nuthatch, 34; Brown Creeper, 1; Robin, 1; Starling, 204; House Sparrow, 430; Eastern Meadowlark, 21; Cardinal, 80; Am. Goldfinch, 119; Rufous-sided Towhee, 2; Slate-colored Junco, 86; Tree Sparrow, 285; Swamp Sparrow, 2; Song Sparrow, 69. **Total,** 30 species; about 2038 individuals.—Carolyn Kuehnle, Judy Kuehnle, Paul Kuehnle (compiler).

276. **Burton, Ohio** (all points within a 15-mile diameter circle, center Burton Village, including Middlefield, East Claridon Reservoir, Cuyahoga River Valley, south to Welshfield, Punderson State Park, Aquilla and Auburn Wildlife Areas; deciduous forest 30%, lake shore 20%, open field 20%, river valley 10%, urban 15%, evergreen forest 5%, 5 feeding stations).—Dec. 31; 7 a.m. to 5:30 p.m. Clear a.m., cloudy p.m.; temp. 20° to 35°; wind W, 7-18 m.p.h.; 3-7-in. snow on ground, rivers and lakes frozen. Four observers in 3 parties. Total party-hours, 29 (16 on foot, 13 by car); total party-miles, 104 (19 on foot, 85 by car). ► Mallard, 5; Red-tailed Hawk, 7; Marsh Hawk, 3; Sparrow Hawk, 3; Ruffed Grouse, 5; Ring-necked Pheasant, 2; Mourning Dove, 5; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 26; Blue Jay, 66; Black-capped Chickadee, 59; Tufted Titmouse, 16; White-breasted Nuthatch, 14; Brown Creeper, 2; Robin, 15; Golden-crowned Kinglet, 4; Cedar Waxwing, 7; Starling, 75; House Sparrow, 158; Brown-headed Cowbird, 2; Cardinal, 25; Am. Goldfinch, 5; Rufous-sided Towhee, 1; Slate-colored Junco, 24; Tree Sparrow, 52; Field Sparrow, 5; Song Sparrow, 9. **Total,** 28 species; about 600 individuals. (Seen in area count period, but not on count day: **Am. Woodcock.**)—Mary Andrews, Orin Bradley, Robert McCullough (compiler), Frank Samuel.

277. **Cadiz, Ohio** (all points within a 15-mile diameter circle, center Cadiz Village, including count area of past 60 years; open fields 30%, deciduous woodlands 20%, lakeside 10%, roadsides 30%, town yards 10%).—Dec. 24; 8 a.m. to 5 p.m. Heavy 8-10-in. snowfall; temp. 0° to 20°; wind N, 0-10 m.p.h.; streams and lakes frozen. Eight observers in 3 parties. Total party-hours, 16 (9 on foot, 7 by car); total party-miles, 65 (6 on foot, 59 by car). ► Great Blue Heron, 5; Black Duck, 5; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 5; Ruffed Grouse, 1; Bobwhite, 18; Killdeer, 1; Mourning Dove, 24; Screech Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 14; Horned Lark, 85; Blue Jay, 5; Common Crow, 19; Carolina Chickadee, 9; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 1; Starling, 106; House Sparrow, 91; Eastern Meadowlark, 2; Brown-headed Cowbird, 4; Cardinal, 19; Am. Goldfinch, 7; Savannah Sparrow, 2; Slate-colored Junco, 68; Tree Sparrow, 71; Song Sparrow, 21. **Total,** 35 species; about 614 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Cedar Waxwing.)—Mary R. Ford, Tom Ford, Harold Haverfield, Raymond Reed, Sara Reed, L. Milton Ronsheim, David E. Worley, John G. Worley (compiler).

278. **Cincinnati, Ohio** (all points within a 15-mile diameter circle, center at Mt. Carmel as in previous 13 years).—Dec. 26; 7 a.m. to 5:30 p.m. Completely overcast; temp. 35° to 49°; wind SW to NW, 4-24 m.p.h.; 3-in. snow on ground, ponds and streams frozen, Ohio River open. Seventy-four observers in 8 parties. Total party-hours, 140 (110 on foot, 30 by car); total party-miles, 486 (150 on foot, 336 by car). ► Pied-billed Grebe, 3; Great Blue Heron, 2; Canada Goose, 23; Mallard, 127; Black Duck, 82; Pintail, 8; Am. Widgeon, 5; **Greater Scaup, 3** (K.M. party); Lesser Scaup, 2; Common Goldeneye, 22; Bufflehead, 3; **Oldsquaw, 3** (E.K. party); Hooded Merganser, 5; Common Merganser, **58**; Red-breasted Merganser, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 14; Red-tailed Hawk, **28**; Red-shouldered Hawk, 17; Marsh Hawk, **16**; Sparrow Hawk, 30; Bobwhite, 182; Killdeer, 15; Herring Gull, **13**; Ring-billed Gull, 11; Mourning Dove, 601; Barn Owl, 1; Screech Owl, 1; Barred Owl, 11; Long-eared Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 145; Red-bellied Woodpecker, 133; Red-headed Woodpecker, 103; Yellow-bellied Sapsucker, 43; Hairy Woodpecker, 30; Downy Woodpecker, 333; Horned Lark, 74; Blue Jay, 260; Common Crow, 253; Carolina Chickadee, 853; Tufted Titmouse, 350; White-breasted Nuthatch, 17; Brown Creeper, **57**; Winter Wren, 4; Carolina Wren, 216; Mockingbird, **98**; Brown Thrasher, **2**; Robin, 591; Eastern Bluebird, 25; Golden-crowned Kinglet, **41**; Cedar Waxwing, **319**; Starling, 3507; Myrtle Warbler, 38; House Sparrow, 2047; Eastern Meadowlark, 74; Redwinged Blackbird, 88; **Baltimore Oriole, 1** (at feeder all Dec.); Common Grackle, 3; Brown-headed Cowbird, 72; Cardinal, 1146; Purple Finch, 22; Am. Goldfinch, 196; Rufous-sided Towhee, 156; Slate-colored Junco, 831; Tree Sparrow, 402; Field Sparrow, **109**; White-crowned Sparrow, 32; White-threated Sparrow, 158; Fox Sparrow, 5; Swamp Sparrow, 59; Song Sparrow, 832. **Total,** 72 species; about 15,034 individuals. (Seen in area count period, but not on count day: Horned Grebe, **Pileated Woodpecker,** Rusty Blackbird.)—Tom Ahlburn, Ron Austing, W. Baumann, Doris Beatty, Tom Becker, Helen and Louise Brinkmann, Elizabeth Brockschlager, Francis and Ralph Carpenter, Margaret and Austill Chambers, Cecil Chambers, Mr. and Mrs. R. R. Deupree, Jr., Paul Feist, Harrison Field, E. P. and Marty Floyd, Frank and Willis Harbaum, Bruce Harris, Paul Hellmann, Ethel and Tom Henderson, Joe Higgins, John Holt, Jr., Ray Holt,

Ed Johnstone, John and Tom Kemp, Emerson Kemsies, Hermann Kind, Hawkins Kohankie, Jeffrey Kraemer, Albert Lane, Karl and Peter Maslowski, Jack McMillin, William Mers, Jerry Meyer, Eleanor Morrison, Frank Neuffer, Grace Paull, Alan Paskow, Worth Randle, Larry Reed, Harry Roach, Noel Rowe, Stanley Rowe, Stanley Rowe, Jr., Jay Shatterly, Jay Sheppard, Bob Siegel, Sven Sjodahl (compiler), Ada, Bernice and Hester Stephenson, Bernard and Joan Susskind, Ida Suttman, J. Wallace Taylor, W. Turner, James and Sophie Upson, Bill Wagner, Dick Watkins, Virginia Watts, Dave and Marjorie Woehr, Paul Woodward, Howard and Philip Wunker, W. Zielke (Cincinnati Bird Club and friends).

279. Cleveland, Ohio (all points within a 15-mile diameter circle, center on Chardon Rd. ½ mile west of intersection of Rt. 175 and Rt. 6, including Shaker Lakes, Gates Mills Village, N. Chagrin Reservation, Lake Erie shore from E. 72nd St. to Eastlake power plant; beech-maple climax forest 20%, open field or parks 15%, swamps 5%, suburbs 45%, lake shore 15%).—Dec. 31; 8 a.m. to 5:30 p.m. Mostly sunny; temp. 24° to 34°; wind S, 6-10 m.p.h.; 6-8-in. crusted snow, Lake Erie partly open. Thirty-two observers in 14 parties. Total party-hours, 95 (62 on foot, 33 by car); total party-miles, 433 (74 on foot, 359 by car). ► Mallard, 80; Black Duck, 201; Canvasback, 21; Greater Scaup, 17; Lesser Scaup, 19; Common Goldeneye, 71; Bufflehead, 2; Hooded Merganser, 1; Common Merganser, 30; Red-breasted Merganser, 136; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 9; Marsh Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 1; Bobwhite, 15; Ring-necked Pheasant, 6; Am. Coot, 1; Great Black-backed Gull, 1; Herring Gull, 714; Ring-billed Gull, 671; Bonaparte's Gull, 1; Mourning Dove, 52; Barred Owl, 3; **Saw-whet Owl,** 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 14; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 28; Downy Woodpecker, 88; Blue Jay, 237; Common Crow, 48; Black-capped Chickadee, 304; Tufted Titmouse, 97; White-breasted Nuthatch, 104; Red-breasted Nuthatch, 4; Brown Creeper, 11; Carolina Wren, 6; Brown Thrasher, 1; Robin, 45; Eastern Bluebird, 5; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 1; Cedar Waxwing, 134; Starling, 355; Myrtle Warbler, 12; House Sparrow, 497; Eastern Meadowlark, 2; Brown-headed Cowbird, 1; Cardinal, 176; Pine Siskin, 33; Am. Goldfinch, 101; Rufous-sided Towhee, 37; Slate-colored Junco, 404; Tree Sparrow, 156; Field Sparrow, 3; White-throated Sparrow, 3; Song Sparrow, 38; **Lapland Longspur,** 1; Snow Bunting, 9. **Total,** 63 species; about 5054 individuals. (Seen in area count period, but not on count day: Oldsquaw, **Common Eider,** White-winged Scoter, Red Crossbill.)—L. P. Barbour, Mrs. R. V. Booth, J. E. Bush, Vera Carrothers, Ben Daniels, Leo Deininger, Nate Finck, Annette Flanigan, Adela Gaede, Neil Henderson, Eleanor Hudgeon, Margaret Hudgeon, Nancy Klamm, William Klamm, C. H. Knight, Lucy Maly, Robert Maly, Martha Minns, Greta Pallister, Perry Peskin, Marjorie Powell, Marjorie Ramisch (compiler), Bertram Raynes, Margaret Raynes, R. D. Rickard, Robert Schwab, M. B. Skaggs, Marian Skaggs, Don Steinbrink, Walter Spofford, Robert Sullivan, H. E. Wallin (Kirtland Bird Club and others).

280. Columbus, Ohio (all points within a 15-mile diameter circle, center near Fifth and Cassady Avenues; same territory last 7 years; farmland 31%, town suburbs 32%, woodland 17%, wooded stream banks 17%, open grove 3%).—Dec. 26; 7:30 a.m. to 5 p.m. Heavily overcast, light drizzle p.m.; temp. 36° to 42°; wind W, 10-23 m.p.h.; 6-in. snow on level, lakes frozen, streams mostly frozen. Forty-two observers in 12 parties. Total party-hours, 106 (88 on foot, 18 by car); total party-miles, 256 (91 on foot, 165 by car). ► **Pied-billed Grebe,** 1; Canada Goose, 40; Mallard, **1000**; Black Duck, **1126**; Canvasback, 8; Common Goldeneye, 14; **Bufflehead,** 1; Cooper's Hawk, 7; Red-tailed Hawk, 8; Red-shouldered Hawk, 5; Marsh Hawk, 8; Sparrow Hawk, 14; Bobwhite, 34; Ring-necked Pheasant, 33; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 500; Barn Owl, 7 (1 pair with 4 fledged young at nest cavity); Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 136; Pileated Woodpecker, 6; Red-bellied Woodpecker, 31; Red-headed Woodpecker, 37; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, **29**; Downy Woodpecker, 164; Horned Lark, 11; Blue Jay, **305**; Common Crow, **2321**; Carolina Chickadee, 207; Tufted Titmouse, 163; White-breasted Nuthatch, 85; Brown Creeper, 39; Carolina Wren, 41; Mockingbird, **11**; Robin, 30; **Hermit Thrush,** 1; Eastern Bluebird, 9; Golden-crowned Kinglet, 5; Cedar Waxwing, **542**; Starling, 955; Myrtle Warbler, **16**; House Sparrow, 1217; Eastern Meadowlark, 15; Redwinged Blackbird, 4; Rusty Blackbird, 3; Common Grackle, 3; Brown-headed Cowbird, 13; Cardinal, 300; Purple Finch, **29**; **Pine Siskin,** 1; Am. Goldfinch, 86; Rufous-sided Towhee, 26; Slate-colored Junco, 416; Tree Sparrow, 270; White-crowned Sparrow, 5; White-throated Sparrow, 4; Song Sparrow, 186. **Total,** 61 species; about 10,544 individuals.—David F. Baker, August W. Boehnke, Mr. and Mrs. Robert Boehnke, Harold F. Bolin, James R. Bolin, Arthur C. Borror, Donald J. Borror, Roger K. Burnard, Cloyd A. Dawson, Mrs. Rosamond England, James E. Fry, W. Todd Furniss, Gareth E. Gilbert, Paul E. Goff, Lee R. Johnson, Kelton W. Jones, Mrs. James M. Hengst, Irving Kassoy, Mr. and Mrs. Arthur W. Kiefer, Ernest Limes, Mr. and Mrs. Robert Maly, Mrs. Milford C. Markham, Bambi Markham, E. Bruce McLean, Harry D. Moore, James H. Olsen, T. H. Reamer, Mr. and Mrs. E. F. Reichelderfer, Donald M. Smith, H. Granville Smith, Deborah Spurgeon, Mr. and Mrs. Edward S. Thomas (compilers), John S. Thomas, Nelson P. Thomson, Milton B. Trautman, Mr. and Mrs. Walter A. Tucker (Columbus Audubon Society).

281. Cuyahoga Falls, Ohio (all points within a 15-mile diameter circle, center square of Cuyahoga Falls as last year; deciduous woods 45%, lakes and lakeshores 21%, Cuyahoga River valley 20%, fields and farmlands 10%, college campus, golf course and

parkland 2%, swamps 2%).—Dec. 26; 6:30 a.m. to 5 p.m. Overcast, drizzle after noon, snow at dusk; temp. 28° to 38°; wind SW, 3-7 m.p.h.; water frozen except Cuyahoga River and Summit Lake. Nineteen observers in 11 parties. Total party-hours, 64 (38 on foot, 26 by car); total party-miles, 190 (39 on foot, 151 by car). ► Horned Grebe, 4; Pied-billed Grebe, 6; Mallard, 152; Black Duck, 412; Gadwall, 18; Redhead, 1; Canvasback, 2; Lesser Scaup, 1; Common Goldeneye, 158; Hooded Merganser, 3; Common Merganser, 14; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 4; Ruffed Grouse, 2; Bobwhite, 1; Ring-necked Pheasant, 23; Am. Coot, 25; Killdeer, 3; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 20; Screech Owl, 1; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 88; Horned Lark, 46; Blue Jay, 152; Common Crow, 23; Black-capped Chickadee, 200; Tufted Titmouse, 87; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 6; Brown Creeper, 12; Winter Wren, 1; Carolina Wren, 2; Robin, 16; Golden-crowned Kinglet, 51; Cedar Waxwing, 139; Starling, 2607; Myrtle Warbler, 3; House Sparrow, 608; Common Grackle, 2; Cardinal, 167; Am. Goldfinch, 55; Vesper Sparrow, 1; Slate-colored Junco, 278; Tree Sparrow, 695; Field Sparrow, 4; White-crowned Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 105. **Total,** 59 species; about 6305 individuals. (Seen in area count period, but not on count day: Common Loon, Ruddy Duck, Redwinged Blackbird.)—Joseph Becket, Robert L. Campana, Dave DeSante, Ruth E. Dyer, Mary P. Gibson, Mrs. R. J. Glassner, Kenneth A. Gluck, Neil Henderson, Mrs. Alice Internoscia, Charles H. Knight, Ray Martone, Mrs. R. E. Meiser, Mary Petticord, Mrs. Charles Reeder, Mrs. Betty St. John, Emmett L. Shellenberger (compiler), Erica Stux, Allen Valentine, Mrs. Gale Wiley (Cuyahoga Falls Audubon Club).

282. Dayton, Ohio (all points within a 15-mile diameter circle, center Forest Park, including Taylorville Dam, Huffman Dam, Englewood Dam, Stillwater River, Madden Park; wooded areas 50%, stream sides 30%, open fields 10%, country roads 8%, pine plantations 2%).—Dec. 26; 6 a.m. to 7 p.m. Overcast; temp. 31° to 40°; wind SW to N, 3-12 m.p.h.; 6-10-in. wet snow, streams and lakes nearly ice-bound. Thirty-eight observers in 13 parties. Total party-hours, 74 (59 on foot, 15 by car); total party-miles, 151 (44 on foot, 107 by car). ► Great Blue Heron, 2; Mallard, 120; Black Duck, 262; Common Goldeneye, 35; Sharp-shinned Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 4; Rough-legged Hawk, 7; Marsh Hawk, 8; Sparrow Hawk, 11; Bobwhite, 177; Ring-necked Pheasant, 27; Killdeer, 4; Herring Gull, 2; Ring-billed Gull, 3; Mourning Dove, 259; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 43; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 105; Horned Lark, 62; Blue Jay, **124**; Common Crow, 451; Black-capped Chickadee, 18; Carolina Chickadee, 210; Tufted Titmouse, 119; White-breasted Nuthatch, **57**; Brown Creeper, **57**; Winter Wren, 2; Carolina Wren, 33; Mockingbird, 20; Brown Thrasher, 1; Robin, 12; Eastern Bluebird, 5; Golden-crowned Kinglet, 19; Cedar Waxwing, 55; Starling, 39,830; House Sparrow, 1508; Eastern Meadowlark, **72**; Redwinged Blackbird, 6; Common Grackle, 5; Cardinal, 306; Purple Finch, 3; Am. Goldfinch, 27; Rufous-sided Towhee, 11; Slate-colored Junco, 370; Tree Sparrow, 87; Field Sparrow, 19; White-throated Sparrow, 4; Fox Sparrow, 1; Song Sparrow, **338. Total,** 57 species; 44,874 individuals.—Mervil Anthony, Charles Argast, Elizabeth Argast, Ben J. Blincoe (compiler), Edith Blincoe, Charles Breish, Mary E. Caldwell, Jack Confer, Leonard Confer, Armand Dibble, Emma Dibble, Charlotte A. DuBois, Barry Dwyer, Catherine Hadeler, John Hess, Norma Hime, Carl Horst, Walter Horst, E. J. Kaestner, Paul Knoop, Opal Komer, Ray Komer, Ned Lewis, James MacMahon, Thomas McElroy, Louise Marks, Howard Pfieffer, Rosalia Pfieffer, Everett Richards, Doris Schuster, Bernice Shinkle, Herbert Shinkle, Walter Smith, Fred Stoner, Mr. and Mrs. Kenneth Spahr, Bob Williams, Betty Williams (Dayton Audubon Society).

283. Elyria–Lorain, Ohio (all points within a 15-mile diameter circle, center south of Lorain and west of Elyria at intersection of West Ridge and Stang Roads; Lake Erie shore from Sunnyside Beach to Sheffield Lake Village Park; perimeter passes through North Ridgeville, Oberlin, Henrietta, 1 mile south of LaPorte).—Jan. 1; 7:30 a.m. to 5 p.m. Cloudy, snow flurries; temp. 27° to 34°; wind NW, 8-12 m.p.h.; lakes and ponds frozen, streams mostly frozen, snow and ice on ground, Lake Erie rough where open, much pack ice. Twenty-one observers in 10 parties plus 18 feeding station reports. Total party-hours, 50 (23 on foot, 27 by car); total party-miles, 362 (32 on foot, 330 by car). ► Mallard, 38; Black Duck, 15; Greater Scaup, 3; Lesser Scaup, 2; Common Goldeneye, 73; Red-breasted Merganser, 1; **Sharp-shinned Hawk, 1**; Red-tailed Hawk, 4; **Rough-legged Hawk, 1**; Marsh Hawk, 4; Sparrow Hawk, 13; Bobwhite, **108**; Ring-necked Pheasant, 63; **Iceland Gull, 2**; Great Black-backed Gull, 4; Herring Gull, **15,264**; Ring-billed Gull, **30,830**; Bonaparte's Gull, 1; Mourning Dove, **294**; Great Horned Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 39; Horned Lark, 103; Blue Jay, 139; Common Crow, **1455**; Black-capped Chickadee, 32; Tufted Titmouse, 80; White-breasted Nuthatch, 9; Brown Creeper, 4; Carolina Wren, 6; Robin, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 51; **Northern Shrike, 1**; Starling, 1690; House Sparrow, 1639; Eastern Meadowlark, 18; **Redwinged Blackbird, 1**; Common Grackle, 18; Brown-headed Cowbird, **58**; Cardinal, **263**; **Common Redpoll, 1**; Am. Goldfinch, 7; Slate-colored Junco, 239; Tree Sparrow, **1008**; Field Sparrow, **84**; White-crowned Sparrow, 19; **White-throated Sparrow, 2**; Song Sparrow, 52. **Total,** 50 species; about 53,756 individuals. (Seen in

area count period, but not on count day: Canvasback, Bufflehead, Oldsquaw, Common Merganser, Cooper's Hawk, **Bald Eagle.**)—Ruth Amato, Rick Brekelbaum, Robby Brekelbaum, Jane Davies, Mrs. Calvin Dolbear, Mrs. James Hageman, Mr. and Mrs. R. A. Hollabaugh, Janice Johnson, P. F. Johnson (compiler), Dale C. Kellogg, Mrs. W. R. Kraps, Mrs. W. H. Lance, Hilda Lebold, Robert J. Morse, Mrs. W. A. Sayles, Jack Smith, Mr. and Mrs. P. R. Smith, David Stock, Elizabeth Yoder.

284. Gypsum, Ohio (all points within a 15-mile diameter circle, center Gypsum, including Castalia, Marblehead Peninsula, Sandusky Bay; open fields 25%, lake shore 10%, mixed woods 20%, frozen marsh 45%).—Jan. 1; 8 a.m. to 5 p.m. Cloudy, snow a.m.; temp. 24° to 31°; wind NW, 15 m.p.h. Fourteen observers in 3 parties. Total party-hours, 27 (3 on foot, 24 by car); total party-miles, 232 (14 on foot, 218 by car). ► Great Blue Heron, 1; Canada Goose, 3; Blue Goose, 1; Mallard, 5410; Black Duck, 6837; Gadwall, 24; Pintail, 100; Green-winged Teal, 1; Am. Widgeon, 100; Shoveler, 14; Ring-necked Duck, 8; Canvasback, 1; Common Goldeneye, 148; Oldsquaw, 3; White-winged Scoter, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 3; Marsh Hawk, 4; Sparrow Hawk, 3; Ring-necked Pheasant, 42; Turkey, 22; Am. Coot, 5; Great Black-backed Gull, 1; Herring Gull, 149; Ring-billed Gull, 101; Bonaparte's Gull, 1; Mourning Dove, 40; Barn Owl, 1; Screech Owl, 4; Great Horned Owl, 3; Long-eared Owl, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 29; Blue Jay, 36; Common Crow, 1; Tufted Titmouse, 4; Brown Creeper, 4; Carolina Wren, 4; Hermit Thrush, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 2; Starling, 1435; Myrtle Warbler, 11; House Sparrow, 352; Eastern Meadowlark, 4; Red-winged Blackbird, 3; Common Grackle, 1; Cardinal, 70; Purple Finch, 2; Am. Goldfinch, 35; **Vesper Sparrow, 1**; Slate-colored Junco, 91; Tree Sparrow, 108; Field Sparrow, 2; White-crowned Sparrow, 5; White-throated Sparrow, 1; Song Sparrow, 18; Snow Bunting, 80. **Total,** 63 species; about 15,358 individuals. (Seen in area count period, but not on count day: Yellow-bellied Sapsucker, Robin.)—Robert Crofts (compiler), Cornell Durksheide, George Elchisco, Dennis Forsythe, Don Kendall, Harriet Kendall, Eduardo Ludena, LaRue Maurer, Myrtle Sarver, Alta Smith, Laurel Van Camp, Gene Walston, Beatrice Waterbury, Neil Waterbury.

285. Hamilton, Ohio (all points within a 15-mile diameter circle, center same as last 41 years).—Dec. 24; 8 a.m. to 5:30 p.m.; temp. 20° to 30°; wind S, light. Two observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 36 (6 on foot, 30 by car). ► Mallard, 7; Black Duck, 44; Canvasback, 6; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 11; Bobwhite, 42; Killdeer, 6; Common Snipe, 4; Mourning Dove, 84; Barn Owl, 2; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 12; Horned Lark, 2; Blue Jay, 7; Common Crow, 114; Carolina Chickadee, 34; Tufted Titmouse, 26; White-breasted Nuthatch, 1; Brown Creeper, 8; Carolina Wren, 16; Mockingbird, 5; Catbird, 1; Robin, 3; Starling, 726; House Sparrow, 460; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 47; Am. Goldfinch, 12; Rufous-sided Towhee, 14; Slate-colored Junco, 68; Tree Sparrow, 56; Field Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 386. **Total,** 42 species; about 2236 individuals.—Frank Harbaum (compiler), Will Harbaum.

286. Indian Lake, Ohio (all points within a 15-mile diameter circle, center 1 mile north of Lakeview).—Dec. 30; 8 a.m. to 8:30 p.m. Clear by 10 a.m.; temp. 22° to 38°; wind SW, 0-20 m.p.h.; open waterhole on lake, ground snow-covered. One observer. Total hours, 11 (3 on foot, 8 by car); total miles, 140 (4 on foot, 136 by car). ► Great Blue Heron, 1; Canada Goose, 15; Mallard, 300; Black Duck, 100; Am. Widgeon, 5; Redhead, 20; Common Goldeneye, 4; Common Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 8; Ring-necked Pheasant, 1; Mourning Dove, 45; Barn Owl, 1; Screech Owl, 3; Great Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 15; Horned Lark, 5; Blue Jay, 24; Common Crow, 2; Carolina Chickadee, 18; Tufted Titmouse, 14; White-breasted Nuthatch, 30; Brown Creeper, 15; Carolina Wren, 3; Golden-crowned Kinglet, 8; Starling, 165; Myrtle Warbler, 4; House Sparrow, 870; Eastern Meadowlark, 22; Cardinal, 17; Slate-colored Junco, 10; Tree Sparrow, 60; Swamp Sparrow, 5; Song Sparrow, 21. **Total,** 44 species; about 1855 individuals.—A. H. Claugus.

287. Lakewood, Ohio (all points within a 15-mile diameter circle, center 2 miles west of southwestern corner of Lakewood as in previous years; suburban 40%, metropolitan parks 35%, farm areas 15%, lake front 10%).—Jan. 1; 7:45 a.m. to 5:45 p.m. Overcast with poor visibility; temp. 27° to 30°; wind NW, 5-25 m.p.h.; 1-3-in. snow cover, streams largely frozen, much pack ice near shore in Lake Erie. Thirty-three observers in 19 parties. Total party-hours, 72 (65 on foot, 7 by car); total party-miles, 210 (36 on foot, 174 by car). ► **Pied-billed Grebe, 1**; Great Blue Heron, 1; Mallard, 82; Black Duck, 5; Canvasback, 7; Greater Scaup, 490; Lesser Scaup, 324; Common Goldeneye, 527; Bufflehead, 50; White-winged Scoter, 1; Hooded Merganser, 1; Common Merganser, 5; Red-breasted Merganser, 6; Cooper's Hawk, 2; Red-tailed Hawk, 4; **Rough-legged Hawk, 1**; Marsh Hawk, 1; Sparrow Hawk, 7; Bobwhite, 10; Ring-necked Pheasant, 20; Great Black-backed Gull, 7; Herring Gull, 229; Ring-billed Gull, 1135; Bonaparte's Gull, 80; Mourning Dove, 276; Great Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; **Red-bellied**

Woodpecker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 51; Blue Jay, **211**; Common Crow, 74; Black-capped Chickadee, 136; Tufted Titmouse, 55; White-breasted Nuthatch, 36; Brown Creeper, 7; Carolina Wren, 7; Brown Thrasher, 1; Robin, 5; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 80; Northern Shrike, 1; Starling, 1094; House Sparrow, 835; Common Grackle, 1; Cardinal, **303**; Purple Finch, 1; Am. Goldfinch, 6; Slate-colored Junco, 210; **Oregon Junco, 1** (daily since early Dec.); Tree Sparrow, 236; Field Sparrow, 4; White-crowned Sparrow, 2; White-throated Sparrow, 6; Fox Sparrow, 2; Song Sparrow, 23; Snow Bunting, 11. **Total,** 61 species; about 6702 individuals. (Seen in area count period, but not on count day: Shoveler, Snowy Owl, Yellow-bellied Sapsucker.)—Mrs. J. D. Appleyard, Carl A. Baier, Mrs. Howard Beauchamp, Donald N. Berendsen, Edna Black, Mrs. L. G. Chambers, Robert Cossaboom, Myron Owen Davies (compiler), Mrs. Owen J. Davies, Donald S. Dean, Sidney Dunkle, Elberta Fleming, Florence Gray, Sue Grossen, Mr. and Mrs. William A. Klamm, Charles Koch, Daniel Maynard, William Maynard, Frank McConoughey, Mrs. Robert Meier, Margaret Pfaffmann, H. S. Rudge, Albert L. Sauer, Walter Schuele, Edward F. Schuster, Marian P. Schutler, Kent Scott, Jay Sheppard, Mike Stasko, Mrs. Paul Ullmann, Daniel F. Waugh, David Zeiser.

288. Lancaster, Ohio (all points within a 15-mile diameter circle, center at Broad and Main Sts.; approximately same route as previous 35 years; farmland 28%, deciduous woods 40%, stream banks 10%, city suburbs 22%).—Dec. 26; 7:45 a.m. to 5:15 p.m. Overcast; temp. 42° to 38°; wind S to W, 10-12 m.p.h.; ground with 7-in. snow, ponds frozen, streams partially open. Three observers in 3 parties. Total party-hours, 17 (all on foot); total party-miles, 18 (all on foot). ► Cooper's Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Bobwhite, 8; Mourning Dove, 18; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 12; Hairy Woodpecker, 8; Downy Woodpecker, 38; Blue Jay, 70; Carolina Chickadee, 60; Tufted Titmouse, 44; White-breasted Nuthatch, 15; Brown Creeper, 7; Carolina Wren, 35; Robin, 45; Golden-crowned Kinglet, 1; Cedar Waxwing, 18; Starling, 1946; Myrtle Warbler, 14; House Sparrow, 240; Common Grackle, 7; Cardinal, 147; Am. Goldfinch, 3; Rufous-sided Towhee, 21; Slate-colored Junco, 155; Tree Sparrow, 75; White-throated Sparrow, 2; Song Sparrow, 50. **Total,** 31 species; about 3061 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Mockingbird.)—Florence Branum, Charles R. Goslin (compiler), Delbert Nutter.

289. Mohican Forest, Ohio (all points within a 15-mile diameter circle, center Poll School in Hanover Township).—Jan. 2; 7:30 a.m. to 3:30 p.m. Overcast, snow after 2:30 p.m.; temp. 25° to 30°; wind variable, up to 5 m.p.h.; lake iced over, streams open, 12-in. snow. Seven observers in 3-4 parties. Total party-hours, 22 (12 on foot, 8 by car, 2 at feeder); total party-miles, 167 (12 on foot, 155 by car). ► Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 11; Bald Eagle, 1; Ruffed Grouse, 1; Bobwhite, 3; Ring-necked Pheasant, 1; Mourning Dove, 36; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Pileated Woodpecker, 4; Red-bellied Woodpecker, 9; Hairy Woodpecker, 17; Downy Woodpecker, 33; Horned Lark, 18; Blue Jay, 131; Common Crow, 12; Black-capped and Carolina Chickadee, 48; Tufted Titmouse, 43; White-breasted Nuthatch, 33; Brown Creeper, 4; Carolina Wren, 15; Robin, 34; Eastern Bluebird, 9; Golden-crowned Kinglet, 11; Cedar Waxwing, 25; **Northern Shrike, 1**; Starling, 293; House Sparrow, 465; Eastern Meadowlark, 38; Common Grackle, 4; Cardinal, 131; Purple Finch, 9; Pine Siskin, 22; Am. Goldfinch, 124; Rufous-sided Towhee, 9; Slate-colored Junco, 224; Tree Sparrow, 158; Song Sparrow, 131. **Total,** 42 species; about 2130 individuals.—James A. Bruce.

290. New Lexington, Ohio (all points within a 15-mile diameter circle, center 6½ miles west of New Lexington at Junction City, including 2 reservoirs; fields 50%, deciduous woods 30%, pine plantings 10%, roadsides 5%, residential 5%).—Jan. 2; 8 a.m. to 5 p.m. Snow flurries p.m.; temp. 22° to 34°; wind W, 0-5 m.p.h.; water frozen, 7-in. snow cover. Eight observers in 3 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 139 (16 on foot, 123 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 5; Bobwhite, 21; Ring-necked Pheasant, 1; Mourning Dove, 37; Yellow-shafted Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 29; Horned Lark, 15; Blue Jay, 35; Common Crow, 1; Carolina Chickadee, 46; Tufted Titmouse, 31; White-breasted Nuthatch, 8; Brown Creeper, 2; Carolina Wren, 8; Robin, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 1; Starling, 490; Myrtle Warbler, 5; House Sparrow, 368; Eastern Meadowlark, 13; Common Grackle, 1; Cardinal, 72; Am. Goldfinch, 35; Rufous-sided Towhee, 22; Slate-colored Junco, 168; Tree Sparrow, 212; Field Sparrow, 2; Song Sparrow, 73. **Total,** 37 species; about 1745 individuals. (Seen in area count period, but not on count day: Mockingbird, Cedar Waxwing.)—Gerald Doig, George Droscha, Janet LeRoy, Joseph LeRoy, Gertrude Maier, Gehale Olive, John H. Olive, Patrick Saunders (compiler).

291. Oxford, Ohio (all points within a 15-mile diameter circle, center Oxford, including Hueston Woods State Park, Oxford Airport; woodland 25%, stream borders 25%, fields 45%, town and suburbs 5%).—Dec. 21; 8 a.m. to 5:30 p.m.; temp. 1° to 10°; wind W, 20-25 m.p.h.; 6-in. new snow. Six observers in 2 parties. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 39 (9 on foot, 30 by car). ► Great Blue Heron, 1; Mallard, 60; Black Duck, 32; Ring-necked Duck, 10; Red-tailed Hawk,

2; Marsh Hawk, 4; Bobwhite, 12; Killdeer, 10; Common Snipe, 16; Mourning Dove, 76; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 15; Blue Jay, 12; Common Crow, 8; Carolina Chickadee, 42; Tufted Titmouse, 51; White-breasted Nuthatch, 2; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 3; Mockingbird, 7; Robin, 1; Ruby-crowned Kinglet, 2; Starling, 15; House Sparrow, 100; Common Grackle, 1; Cardinal, 56; Rufous-sided Towhee, 14; Slate-colored Junco, 31; Tree Sparrow, 17; Field Sparrow, 1; White-crowned Sparrow, 6; White-throated Sparrow, 4; Fox Sparrow, 1; Song Sparrow, 43. **Total,** 38 species; about 671 individuals.—Paul M. Daniel (compiler), L. P. Irvin, Vinnie Lawrence, Olivia Logan, Robert Noe, Robert Strecker.

292. Plymouth, Ohio (all points within a 15-mile diameter circle, center Plymouth, covering 5 miles east, 2 miles north, 5 miles west, including Willard Marsh Wildlife Area; roadsides 10%, stream and pond edges 10%, beech-maple climax forest 30%, fields and meadows 20%, weedy swamp and muckland 30%).—Dec. 31; 8 a.m. to 5 p.m.; temp. 20° to 34°; wind WNW, 5-8 m.p.h.; ponds and streams frozen, 8-in. snow. Five observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 27 (6 on foot, 21 by car). ► Red-tailed Hawk, 2; Sparrow Hawk, 1; Mourning Dove, 47; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 16; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 29; Common Crow, 3; Black-capped Chickadee, 6; Tufted Titmouse, 20; White-breasted Nuthatch, 23; Brown Creeper, 4; Carolina Wren, 2; Robin, 1; Cedar Waxwing, 20; Starling, 74; House Sparrow, 90; Eastern Meadowlark, 9; Cardinal, 31; Am. Goldfinch, 2; Rufous-sided Towhee, 2; Vesper Sparrow, 1; Slate-colored Junco, 27; Tree Sparrow, 46; Song Sparrow, 17. **Total,** 28 species; about 502 individuals. —Janice Coon, Maynard J. Coon, Jennifer Haas, Robert C. Haas (compiler), Vance W. Snyder.

293. Portsmouth, Ohio (all points within a 15-mile diameter circle, center 7½ miles west of Portsmouth).—Dec. 26; 8 a.m. to 5 p.m. Dark all day, drizzle noon, then rain; temp. 40° to 55°; wind W, 0-25 m.p.h. Fifteen observers in 4 parties. Total party-hours, 95; total party-miles, 108 (13 on foot, 95 by car). ► Canada Goose, 181; Mallard, 2; Black Duck, 2529; Common Goldeneye, 7; Cooper's Hawk, 2; Red-tailed Hawk, 7; Marsh Hawk, 18; Sparrow Hawk, 26; Bobwhite, 26; Killdeer, 2; Mourning Dove, 326; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Pileated Woodpecker, 5; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 22; Blue Jay, 40; Common Crow, 42; Black-capped Chickadee, 1; Carolina Chickadee, 87; Tufted Titmouse, 58; White-breasted Nuthatch, 19; Brown Creeper, 5; Winter Wren, 2; Carolina Wren, 25; Mockingbird, 9; Robin, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 6; Cedar Waxwing, 13; Starling, 611; House Sparrow, 231; Eastern Meadowlark, 7; Redwinged Blackbird, 35; Common Grackle, 4; Cardinal, 183; Purple Finch, 4; Am. Goldfinch, 28; Rufous-sided Towhee, 31; Slate-colored Junco, 106; Tree Sparrow, 18; Field Sparrow, 8; White-crowned Sparrow, 16; White-throated Sparrow, 15; Fox Sparrow, 1; Song Sparrow, 72. **Total,** 50 species; about 4880 individuals.—Mr. and Mrs. Harry Brandel, James S. Donaldson, James Donaldson, Earl C. Hayes, Sr. (compiler), Mrs. Charles Kirsch, Mr. and Mrs. Harry Knighton, Dennis Mapes, Allen Nickel, Mrs. James Nickel, W. F. Streeter, Marie Trowbridge, Mr. and Mrs. Howard Webb.

294. Salem, Ohio (all points within a 15-mile diameter circle, center slightly west of point 2½ miles south of center of city; lake shore 2%, marsh 4%, open fields 2%, wooded valley 85%, feeding stations 7%).—Jan. 2; 9 a.m. to 5 p.m. Overcast, snow flurries; temp. 23° to 27°; wind SW to NW, 6-15 m.p.h.; 12-in. snow on ground. Four observers, 1 in field. Total miles, 15 (5 on foot, 10 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 5; Sparrow Hawk, 4; Mourning Dove, 27; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 16; Horned Lark, 158 (7 Northern); Blue Jay, 33; Common Crow, 12; Black-capped Chickadee, 4; Carolina Chickadee, 1; Tufted Titmouse, 32; White-breasted Nuthatch, 22; Winter Wren, 1; Robin, 6; Golden-crowned Kinglet, 1; Starling, 93; House Sparrow, 150; Eastern Meadowlark, 2; Redwinged Blackbird, 2; Common Grackle, 1; Cardinal, 49; Am. Goldfinch, 4; Rufous-sided Towhee, 1; Slate-colored Junco, 40; Tree Sparrow, 49; Field Sparrow, 2; Song Sparrow, 20. **Total,** 32 species (1 additional race); about 750 individuals. —Albert T. Hartley (compiler), Roy A. Booth, Jr., Mrs. Milan A. Camp, Ford N. Dilworth.

295. Steubenville, Ohio (all points within a 15-mile diameter circle, center 7½ miles northwest of Steubenville along Rt. 646; deciduous woods 25%, farmland 25%, roadside 18%, bushy fields 17%, cemetery and golf course 8%, pineland 3%, swampy woods 4%).—Dec. 31; 7 a.m. to 5:30 p.m. Sunny to cloudy; temp. 14° to 40°; wind SW, 0-7 m.p.h.; 8-in. snow, very hard walking. Seventeen observers in 6 parties. Total party-hours, 57 (51 on foot, 6 by car); total party-miles, 89 (40 on foot, 49 by car). ► Cooper's Hawk, 4; Red-tailed Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bobwhite, 30; Ring-necked Pheasant, 1; Killdeer, 1; Mourning Dove, 3; Great Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 3; Pileated Woodpecker, 11; Red-bellied Woodpecker, 20; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 79; Horned Lark, 83; Blue Jay, 11; Common Crow, 16; Carolina Chickadee, 157; Tufted Titmouse, 145; White-breasted Nuthatch, 21; Brown Creeper, 11; Winter Wren, 3; Carolina Wren, 16; Mockingbird, 1; Robin, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Northern Shrike, 1; Starling, 352; Myrtle Warbler,

1; House Sparrow, 323; Eastern Meadowlark, 1; Cardinal, 229; Purple Finch, 1; Am. Goldfinch, 14; Slate-colored Junco, 223; Tree Sparrow, 171; Field Sparrow, 6; White-throated Sparrow, 2; **Swamp Sparrow, 1**; Song Sparrow, 128. **Total,** 46 species; about 2129 individuals. (Seen in area count period, but not on count day: Screech Owl, Rufous-sided Towhee.)—Gail H. Ash, Clinton S. Banks (compiler), Robert Conti, R. L. Dailey, Hattie Fleming, James Hague, Laila Huhtala, Arthur Johnson, Carl Koch, Tina Lee Large, Ronald McKee, Alberta Miller, Donald Miller, Ralph Musser, Donald Rarey, Albert R. Tenney, Floyd Wells (The Forest Audubon Club).

296. **Tiffin, Ohio** (all points within a 15-mile diameter circle, center at intersection of County Roads 50 and 15; open fields 40%, shrubby fields 5%, upland evergreen forest 4%, upland deciduous forest 10%, bottomland deciduous forest 31%, misc. 10%). —Dec. 31; 7:30 a.m. to 5:10 p.m. Partly cloudy; temp. 28° to 35°; wind SW, 10-15 m.p.h.; river mostly frozen, streams frozen. Twenty-two observers in 8 parties. Total party-hours, 42 (26 on foot, 16 by car); total party-miles, 249 (40 on foot, 209 by car). ► **Pied-billed Grebe, 1**; Canada Goose, 150; Mallard, 10; Black Duck, 10; Common Goldeneye, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 4; Bobwhite, 20; Ring-necked Pheasant, 22; **Killdeer, 1**; **Herring Gull, 2**; Mourning Dove, **224**; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 22; Hairy Woodpecker, 15; Downy Woodpecker, 80; Horned Lark, 12; Blue Jay, 68; Common Crow, 7; Black-capped Chickadee, 36; Tufted Titmouse, 105; White-breasted Nuthatch, 110; Red-breasted Nuthatch, 3; Brown Creeper, 22; Carolina Wren, 3; **Mockingbird, 2**; Robin, 1; Golden-crowned Kinglet, 9; Cedar Waxwing, 40; Starling, 580; Myrtle Warbler, **5**; House Sparrow, 1137; Eastern Meadowlark, 12; Redwinged Blackbird, 1; Cardinal, 123; Am. Goldfinch, 2; **Rufous-sided Towhee, 12**; Slate-colored Junco, **212**; Tree Sparrow, **417**; **White-crowned Sparrow, 4**; **White-throated Sparrow, 6**; Song Sparrow, 160; **Lapland Longspur, 35** (2 flocks). **Total,** 52 species; about 3752 individuals. (Seen in area count period, but not on count day: Barn Owl, Short-eared Owl, Brown-headed Cowbird.) —Ralph Foutz, Mrs. W. C. Knoblaugh (compiler), Robert Mills, Tom Mills, Tom West.

297. **Toledo, Ohio** (all points within a 15-mile diameter circle, center Toledo; 5 miles of Swan Creek valley, 5 miles of Ottawa River valley, forest patches northeast, edge of Cedar Point and Erie marshes; open water 1%, cultivated fields 3%, wooded cattail marsh edge 30%, open deciduous forest, open water near springs and power houses 66%).—Dec. 26; 8 a.m. to 5 p.m. Heavy cloud cover, light snow p.m.; temp. 36° to 29°; wind SW to NW, 20 m.p.h.; 4-in. snow on ground, most waters frozen. Thirty-six observers in 7 parties. Total party-hours, 46 (42 on foot, 4 by car); total party-miles, 86 (40 on foot, 46 by car). ► **Pied-billed Grebe, 1**; Great Blue Heron, 7; Canada Goose, 56; Mallard, 19,340; Black Duck, 6400; Pintail, 7; Ring-necked Duck, 1; Canvasback, 176; Lesser Scaup, 1; Common Goldeneye, 70; Ruddy Duck, 2; Common Merganser, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 11; **Peregrine Falcon, 1**; Sparrow Hawk, 9; Bobwhite, 66; Ring-necked Pheasant, 282; Am. Coot, 8; Herring Gull, 108; Ring-billed Gull, 38; Bonaparte's Gull, 1; Mourning Dove, 333; Barn Owl, 2; Great Horned Owl, 3; Barred Owl, 1; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 77; Horned Lark, 60 (2 races); Blue Jay, 99; Common Crow, 325; Black-capped Chickadee, 18; Tufted Titmouse, 50; White-breasted Nuthatch, 13; Brown Creeper, 22; Winter Wren, 9; Carolina Wren, 12; Hermit Thrush, 1; Golden-crowned Kinglet, 7; **Ruby-crowned Kinglet, 1**; Cedar Waxwing, 7; Starling, 453; Myrtle Warbler, 8; House Sparrow, 841; Eastern Meadowlark, 19; Redwinged Blackbird, 33; Rusty Blackbird, 2; Common Grackle, 2; Brown-headed Cowbird, 19; Cardinal, 233; Purple Finch, 40; Am. Goldfinch, 142; Slate-colored Junco, 470; Tree Sparrow, 210; Field Sparrow, 1; White-throated Sparrow, 3; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 68. **Total,** 67 species (1 additional race); about 30,246 individuals. (Seen in area count period, but not on count day: Snowy Owl.)—Miriam Bell, Roy Biggs, Mr. and Mrs. Otis Bridges, Louis Campbell (compiler), Robert Crofts, Mr. and Mrs. Jeremy Felland, Dennis Forsythe, Glenn Forsythe, Clarence Heckman, Lawrence Hiett, Pauline Hoefle, Seymour Holloway, Don Kendall, Lou Klewer, Eleanor Longbrake, Henrietta Marimon, Harold Mayfield, John Mayfield, Charles Mayfield, John McCormick, James Nessle, Bob Reed, Kathleen Rice, Betty Rich, Elwood Rose, Jerry Scott, Dick Sheets, William Smith, John Stophlet, Joseph Sweeney, Bob Turner (Toledo Naturalists' Association).

298. **Utica, Ohio** (all points within a 15-mile diameter circle, center 1 mile N of SE corner of Washington Township; beech-maple climax 30%, open farmland 15%, rolling upland with oak-hickory climax and mixed deciduous trees 20%, brushy thickets 5%, brushy stream edges 30%).—Dec. 27; 6:30 a.m. to 5 p.m. Fair; temp. 22° to 25°; wind NW to N, 5-15 m.p.h.; ground and water frozen, riffles open, 6-8-in. snow. Nine observers in 5 parties. Total party-hours, 36 (27 on foot, 9 by car); total party-miles, 169 (25 on foot, 144 by car). ► Great Blue Heron, 1; **Canada Goose, 1**; Mallard, 27; Black Duck, 3; Pintail, 1; Turkey Vulture, 12; Black Vulture, 1 (all field marks); Sharp-shinned Hawk, 1; Cooper's Hawk, 8; Red-tailed Hawk, 13; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 9; Sparrow Hawk, 9; Ruffed Grouse, 1; Bobwhite, 66; Ring-necked Pheasant, 1; Killdeer, 2; Mourning Dove, 98; Barn Owl, 1; Screech Owl, 3; Great Horned Owl, 8; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted

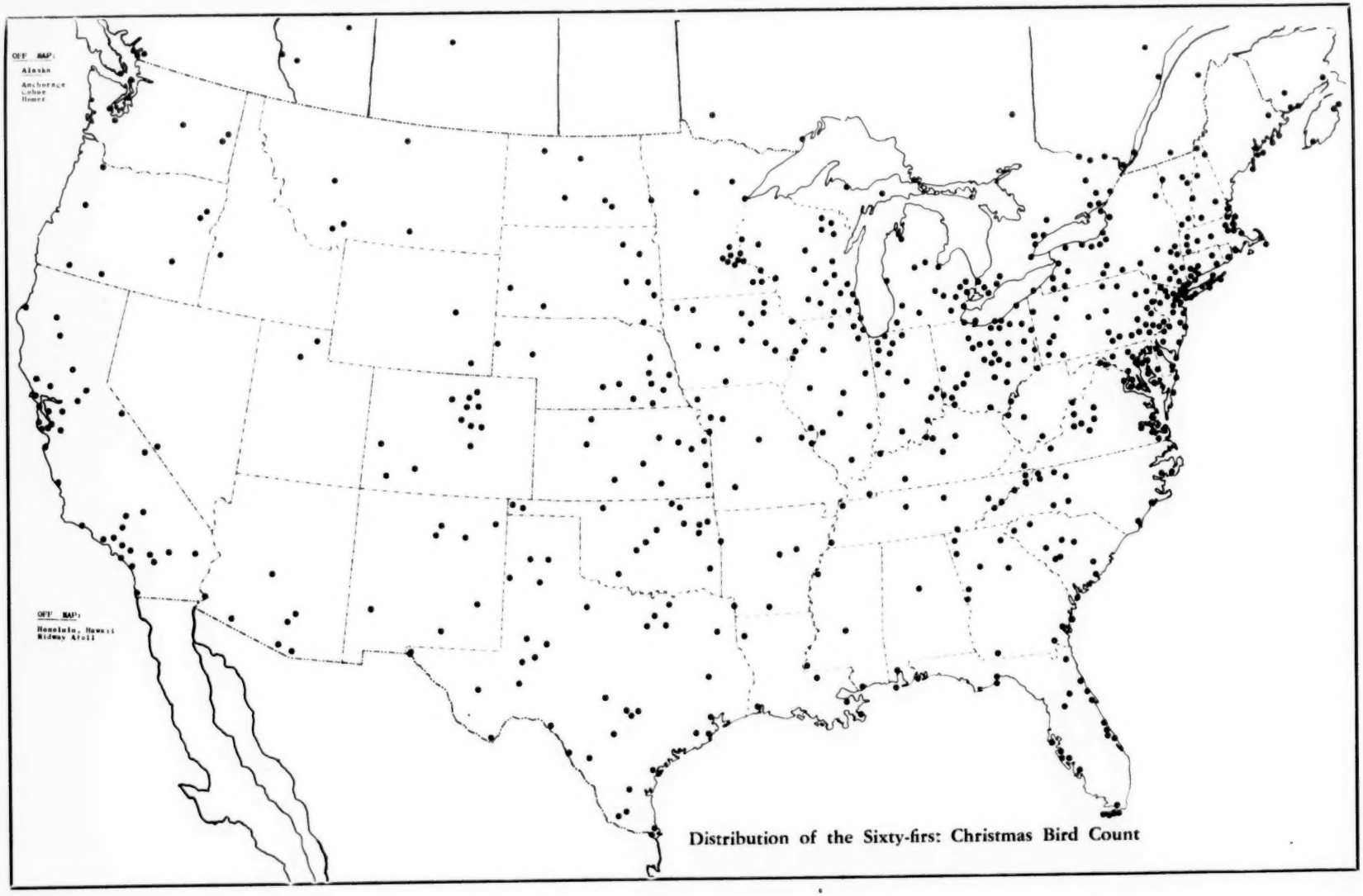
Flicker, 15; Pileated Woodpecker, 5; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 63; Horned Lark, 270 (2 races); Blue Jay, 122; Common Crow, 24; Black-capped Chickadee, 1 (J.B.); Carolina Chickadee, 70; Tufted Titmouse, 129; White-breasted Nuthatch, 84; Red-breasted Nuthatch, 7; Brown Creeper, 12; Winter Wren, 2; Carolina Wren, 36; Mockingbird, 2; Robin, 9; Hermit Thrush, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 2; Cedar Waxwing, 50; Loggerhead Shrike, 1; Starling, 714; Myrtle Warbler, 2; House Sparrow, 665; Eastern Meadowlark, 11; Redwinged Blackbird, 4; Common Grackle, 5; Brown-headed Cowbird, 4; Cardinal, 130; Purple Finch, 1; Pine Siskin, 5; Am. Goldfinch, 91; Rufous-sided Towhee, 33; Slate-colored Junco, 177; **Oregon Junco, 1** (well marked male); Tree Sparrow, 257; Field Sparrow, 4; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 182; Snow Bunting, 1. **Total,** 70 species (1 additional race); about 3564 individuals. (Seen in area count period, but not on count day: Common Redpoll.)—Howard Berg, Joseph Berg, Mrs. William Dodd, Mrs. Harry Fulton, Marie Greider, Mrs. Don McMillan, Mrs. Donald Noffsinger, C. R. Wagner, Mrs. C. R. Wagner (compiler).

299. Van Wert, Ohio (all points within a 15-mile diameter circle, center County Court House; open farmland 45%, deciduous swamp forest 40%, urban and suburban area 10%, farmyards 5%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 32° to 40°; wind W, 5-10 m.p.h.; 3-5-in. snow, ponds and streams frozen. Five observers in 4 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 81 (14 on foot, 67 by car). ► Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 2; Bobwhite, 1; Ring-necked Pheasant, 1; Mourning Dove, 114; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 9; Horned Lark, 31; Blue Jay, 22; Black-capped Chickadee, 3; Tufted Titmouse, 19; White-breasted Nuthatch, 10; Brown Creeper, 2; Starling, 313; House Sparrow, 590; Eastern Meadowlark, 2; Common Grackle, 2; Cardinal, 13; Slate-colored Junco, 53; Tree Sparrow, 31; Song Sparrow, 19. **Total,** 26 species; about 1259 individuals.—Arthur S. Brooks, Gary Doxtater, Katherine Giffin, Evelyn Williams, J. Fred Williams (compiler) (Upper Maumee Valley Naturalist Club).

300. Warren, Ohio (all points within a 15-mile diameter circle, center Warren).—Dec. 29; 8 a.m. to 5 p.m. Cloudy, wet snow; temp. 22° to 33°; no wind; little open water, old snow with crust. Thirty-seven observers in 7 parties. Total party-hours, 96 (95 on foot, 1 by car); total party-miles, 74 (26 on foot, 48 by car). ► Black Duck, 3; Common Goldeneye, 7; Cooper's Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 6; Ring-necked Pheasant, 11; Mourning Dove, 49; Barn Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 33; Blue Jay, 114; Common Crow, 14; Black-capped Chickadee, 70; Tufted Titmouse, 61; White-breasted Nuthatch, 51; Brown Creeper, 2; Robin, 3; Golden-crowned Kinglet, 30; Northern Shrike, 1; Starling, 647; House Sparrow, 629; Rusty Blackbird, 1; Cardinal, 139; Rufous-sided Towhee, 2; Slate-colored Junco, 77; Tree Sparrow, 145; **Harris' Sparrow, 2** (close range); White-throated Sparrow, 1; Fox Sparrow, 2; Song Sparrow, 51. **Total,** 34 species; about 2170 individuals.—Georgene Smith (compiler).

301. Wooster, Ohio (all points within a 15-mile diameter circle, center on Route 3 about 1 mile NE of Springville, including Secrest Arboretum, most of Killbuck Valley between Tea Run and Funks Hollow, Mohican Valley between Funk and Craigton; swamp forest 34%, upland forest 25%, fields and hedgerows 15%, cattail marsh 13%, roadsides 7%, conifer plantations 6%).—Jan. 2; 7:30 a.m. to 5:30 p.m. Cloudy, occasional light rain and snow; temp. 32° to 41°; wind NW, to 28 m.p.h.; lakes frozen, streams open, 12-in. snow. Twenty-two observers in 8 parties. Total party-hours, 52 (40 on foot, 12 by car); total party-miles, 281 (40 on foot, 241 by car). ► Great Blue Heron, 8; Mallard, 22; Black Duck, 16; Green-winged Teal, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, **9**; Red-tailed Hawk, 29; Red-shouldered Hawk, **9**; Marsh Hawk, 10; Sparrow Hawk, 10; Bobwhite, 25; Ring-necked Pheasant, 6; Killdeer, 6; Common Snipe, 16; Mourning Dove, 138; Great Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 24; Pileated Woodpecker, 9; Red-bellied Woodpecker, 41; Red-headed Woodpecker, 3; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 26; Downy Woodpecker, 158; Eastern Phoebe, 1; Horned Lark, 52; Blue Jay, 141; Common Crow, 2; Black-capped and Carolina Chickadee, 180; Tufted Titmouse, 136; White-breasted Nuthatch, 94; Brown Creeper, **25**; Winter Wren, 4; Carolina Wren, 35; Long-billed Marsh Wren, **6**; Robin, 4; **Hermit Thrush, 1**; Eastern Bluebird, 42; Golden-crowned Kinglet, 39; Cedar Waxwing, 25; Starling, 9500 (roost); Myrtle Warbler, 17; House Sparrow, 987; Eastern Meadowlark, **64**; Redwinged Blackbird, 46; Rusty Blackbird, 32; Common Grackle, 14; Brown-headed Cowbird, 102; Cardinal, 302; Purple Finch, 3; Common Redpoll, 6; Am. Goldfinch, 280; Rufous-sided Towhee, 6; Slate-colored Junco, 572; Tree Sparrow, **1286**; Field Sparrow, 7; White-crowned Sparrow, **34**; White-throated Sparrow, 5; Swamp Sparrow, 34; Song Sparrow, **344. Total,** 62 species; about 15,010 individuals. (Seen in area count period, but not on count day: Screech Owl.)—James A. Bruce (compiler), Elsie Burckhart, Charles Compton, Mrs. Raymond Dugan, Alma Frey, Mrs. D. J. Kern, Mr. and Mrs. Alden Schaffter, Mr. and Mrs. Robert Sparr, Ted Sparr, Roger Troutman.

302. Wyoming, Ohio (all points within a 15-mile diameter circle, center same as last year, including Spring Grove Cemetery, Mt. Airy Forest, Winton Woods, part of Great Miami River).—Dec. 28; 7:30 a.m. to 6:30 p.m. Partly cloudy; temp. 16° to 31°;



Distribution of the Sixty-first Christmas Bird Count

wind NE, 2-5 m.p.h.; creeks and lakes frozen, Great Miami River open. Three observers in 2 parties. Total party-hours, 21 (12 on foot, 9 by car); total party-miles, 164 (22 on foot, 142 by car). ► Canada Goose, 1; Blue Goose, 1; Mallard, 16; Black Duck, 32; Common Goldeneye, 3; Cooper's Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bobwhite, 5; Killdeer, 2; Mourning Dove, 84; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 38; Horned Lark, 4; Blue Jay, 49; Common Crow, 48; Carolina Chickadee, 171; Tufted Titmouse, 50; White-breasted Nuthatch, 3; Brown Creeper, 18; Carolina Wren, 24; Mockingbird, 11; Brown Thrasher, 1; Robin, 650; Eastern Bluebird, 7; Golden-crowned Kinglet, 1; Cedar Waxwing, 4; Starling, **50,000+ (roost)**; Myrtle Warbler, 1; House Sparrow, 400; Eastern Meadowlark, 25; Redwinged Blackbird, 100; Rusty Blackbird, 650; Common Grackle, 1150; Brown-headed Cowbird, 450; Cardinal, 201; Purple Finch, 22; Am. Goldfinch, 68; **Red Crossbill, 1** (flock since Dec. 6); Rufous-sided Towhee, 22; Slate-colored Junco, 273; Tree Sparrow, 60; Field Sparrow, 10; White-crowned Sparrow, 1; White-throated Sparrow, 53; Fox Sparrow, 1; Song Sparrow, 72. **Total,** 55 species; more than 54,849 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Green-winged Teal, Eastern Phoebe, Pine Siskin, **Oregon Junco**.)—Ray Holt, Richard Watkins, Paul Woodward (compiler).

303. Youngstown, Ohio (all points within a 15-mile diameter circle, center on Leffingwell Rd. at Tippacanoe Rd. as in 1959).—Dec. 26; 8 a.m. to 5 p.m. Clear to partly cloudy a.m., misty rain p.m.; temp. 34° to 40°; wind S to SW, 13 m.p.h.; 1-ft. snow cover, open water only in stream rapids. Thirty-eight observers in 18 parties. Total party-hours, 160 (88 on foot, 72 by car); total party-miles, 222 (32 on foot, 190 by car). ► Mallard, 15; Black Duck, **700**; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 5; **Pigeon Hawk, 1**; Sparrow Hawk, 16; Bobwhite, 48; Ring-necked Pheasant, 85; Am. Coot, 1; Killdeer, 1; Herring Gull, 6; Ring-billed Gull, 6; Mourning Dove, 324; Screech Owl, 2; Barred Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 3; Hairy Woodpecker, 20; Downy Woodpecker, 84; Horned Lark, 235; Blue Jay, 286; Common Crow, 1585; Black-capped Chickadee, 216; Carolina Chickadee, 2; Tufted Titmouse, 163; White-breasted Nuthatch, 83; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 13; **Mockingbird, 1**; Robin, 10; Golden-crowned Kinglet, 2; Cedar Waxwing, 63; Starling, 1048; House Sparrow, 646; Eastern Meadowlark, 14; Redwinged Blackbird, 13; Rusty Blackbird, **78**; Common Grackle, **45**; Brown-headed Cowbird, 5; Cardinal, 295; Purple Finch, 6; Am. Goldfinch, 128; Rufous-sided Towhee, 7; Slate-colored Junco, 346; **Oregon Junco, 3** (at feeders); Tree Sparrow, 362; Field Sparrow, 1; White-throated Sparrow, 5; Swamp Sparrow, 1; Song Sparrow, 50. **Total,** 57 species; about 7074 individuals. (Seen in area count period, but not on count day: Horned Grebe, Goshawk.)—J. L. Beeghly, Evan Dressel, Frank Ferris, Albert Hartley, H. O. Heimerdinger, Allen Kirk, Vincent McLaughlin, Lyle D. Miller (compiler), G. W. Richter (Grant M. Cook Bird Club).

304. Zanesville, Ohio (all points within a 15-mile diameter circle, center junction of Rt. 77 and Rt. 156, including North Zanesville, Dresden, Dillon Dam area; wooded hills 30%, open farmland 60%, suburban 10%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy, light rain p.m.; temp. 40° to 45°; wind WSW, 2-10 m.p.h.; deep snow, little open water. Nine observers in 3 parties. Total party-hours, 50 (24 on foot, 26 by car); total party-miles, 123 (9 on foot, 114 by car). ►Horned Grebe, 1; Pied-billed Grebe, 4; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 7; Mourning Dove, 66; **Snowy Owl, 1**; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 4; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 15; **Eastern Phoebe, 1**; Horned Lark, 22; Blue Jay, 37; Common Crow, 2; Carolina Chickadee, 34; Tufted Titmouse, 39; White-breasted Nuthatch, 12; Brown Creeper, 3; Carolina Wren, 7; Mockingbird, 2; Robin, 9; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 5; Starling, 458; House Sparrow, 177; Eastern Meadowlark, 14; Redwinged Blackbird, 3; Cardinal, 47; **Purple Finch, 6**; Am. Goldfinch, 21; Rufous-sided Towhee, 4; Slate-colored Junco, 115; Tree Sparrow, 88; Field Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 49. **Total,** 42 species; about 1299 individuals.—Gerald Doig, George Droscha, Deborah Gale, Kenneth Gale, Joseph LeRoy, Janet LeRoy (compiler), Gertrude Maier, Patrick Saunders, Thomas Shields.

305. Athens, W. Va. (all points within a 15-mile diameter circle, center same as previous counts).—Dec. 26; 7 a.m. to 5:30 p.m.; temp. 34° to 40°; no wind; reservoir and small streams frozen, snow on north slopes. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 80 (20 on foot, 60 by car). ► Mallard, 6; Black Duck, 27; Am. Widgeon, 5; Common Goldeneye, 15; Bufflehead, 10; Hooded Merganser, 5; Cooper's Hawk, 1; Sparrow Hawk, 1; Downy Woodpecker, 7; Blue Jay, 11; Common Crow, 110; Carolina Chickadee, 10; Tufted Titmouse, 21; Carolina Wren, 4; Mockingbird, 4; Starling, 224; House Sparrow, 130; Eastern Meadowlark, 6; Cardinal, 11; Purple Finch, 10; Am. Goldfinch, 2; Rufous-sided Towhee, 1; Slate-colored Junco, 35; Field Sparrow, 15; White-crowned Sparrow, 6; White-throated Sparrow, 14; Song Sparrow, 9. **Total,** 27 species; about 700 individuals. (Seen in area count period, but not on count day: Hairy Woodpecker, Rusty Blackbird.)—Paul C. Bibbee (compiler), Clarence M. Young.

306. Charleston, W. Va. (all points within a 15-mile diameter circle, center on Joblin; Kanawha

River Valley and adjacent hills from 66 St., MacCorkle Ave., Charleston to mid-St. Albans, Cross Lanes, Coonskin Park, South Hills; open farmland and grassland 10%, urban 50%, deciduous woods 40%).—Jan. 2; 6:30 a.m. to 5:30 p.m. Heavy overcast; temp. 31° to 32°; wind calm; 1-in. snow on north slopes, ground bare, still water frozen. Nine observers in 5 parties. Total party-hours, 37 (28 on foot, 4 by car, 5 at feeders); total party-miles, 81 (21 on foot, 60 by car). ► Black Duck, 1; Cooper's Hawk, 2; Sparrow Hawk, 6; Killdeer, 1; Common Snipe, 1; Mourning Dove, 23; Screech Owl, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 10; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 41; Horned Lark, 8; Blue Jay, 29; Common Crow, 718; Carolina Chickadee, 124; Tufted Titmouse, 102; White-breasted Nuthatch, 46; Brown Creeper, 5; Winter Wren, 2; Carolina Wren, 53; Mockingbird, 10; **Catbird, 1**; **Brown Thrasher, 1**; Robin, 172; Eastern Bluebird, 19; Golden-crowned Kinglet, 11; Cedar Waxwing, 5; Starling, 2464; Myrtle Warbler, 5; House Sparrow, 321; Eastern Meadowlark, 9; Common Grackle, 41; Cardinal, 182; Purple Finch, 33; Am. Goldfinch, 96; Rufous-sided Towhee, 75; Slate-colored Junco, 175; Tree Sparrow, 1; Field Sparrow, 110; White-throated Sparrow, 359; Fox Sparrow, 6; Swamp Sparrow, 2; Song Sparrow, 199. **Total,** 46 species; about 5495 individuals. (Seen in area count period, but not on count day: Horned Grebe, Great Blue Heron.)—George L. Ballentine, Ruth Ballentine, Norris S. Gluck, Polly Handlan, C. O. Handley, Sr. (compiler), George F. Hurley, Lillian McGurl, Anne Shreve, Ann McKinley Shreve.

307. Charles Town, W. Va. (all points within a 15-mile diameter circle, center 3 miles north of Charles Town as in past 9 years; small ponds 10%, stream banks 15%, weedy fields 10%, mature oak forests 15%, cattail marshes 25%, farm fields 25%).—Jan. 2; 7 a.m. to 5 p.m. Cloudy; temp. 30° to 40°; wind SW, 5 m.p.h.; ground snow 3 weeks, water frozen except on ripples and springs. Five observers in 1-2 parties. Total party-hours, 14 (6 on foot, 8 by car); total party-miles, 137 (5 on foot, 132 by car). ► Mallard, 63; Black Duck, 2; Common Goldeneye, 6; Bufflehead, 9; Turkey Vulture, 6; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Bobwhite, 2; Killdeer, 22; Common Snipe, 37; Mourning Dove, 21; Great Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 12; Blue Jay, 18; Common Crow, 1275; Carolina Chickadee, 13; Tufted Titmouse, 26; White-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 7; Mockingbird, 30; Robin, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 12; Starling, 1110; House Sparrow, 625; Eastern Meadowlark, 3; Rusty Blackbird, 63; Common Grackle, 7; Brown-headed Cowbird, 2; Cardinal, 74; Am. Goldfinch, 12; Slate-colored Junco, 35; Tree Sparrow, 24; Chipping Sparrow, 1; White-crowned Sparrow, 76; White-throated Sparrow, 19; Song Sparrow, 10. **Total,** 47 species; about 3655 individuals. (Seen in area count period, but not on count day: Hooded Merganser, Common Merganser.)—Mr. and Mrs. Frank Anderson, Mrs. Hugh Caperton, James Gutsell, Clark Miller (compiler).

308. Huntington, W. Va. (all points within a 15-mile diameter circle, center same since 1940).—Dec. 31; 4:30 a.m. to 5 p.m. Overcast; temp. 19° to 40°; no wind; ground bare. Twelve observers in 12 parties. Total party-hours, 76 (28 on foot, 48 by car); total party-miles, 377 (48 on foot, 329 by car). ► Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 3; Blue Goose, 1; Mallard, 4; Black Duck, 15; Am. Widgeon, 1; Ring-necked Duck, 5; Canvasback, 10; Lesser Scaup, 13; Common Goldeneye, 35; Hooded Merganser, 1; Cooper's Hawk, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 26; Bobwhite, 20; Am. Coot, 1; Killdeer, 3; Common Snipe, 1; Herring Gull, 5; Ring-billed Gull, 3; Mourning Dove, 514; Barn Owl, 1; Screech Owl, 4; Barred Owl, 3; Belted Kingfisher, 15; Yellow-shafted Flicker, 31; Pileated Woodpecker, 9; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 15; Downy Woodpecker, 122; Eastern Phoebe, 1; Horned Lark, 34; Blue Jay, 192; Common Crow, 2352; Carolina Chickadee, 284; Tufted Titmouse, 353; White-breasted Nuthatch, 33; Brown Creeper, 15; Winter Wren, 5; Carolina Wren, 105; Mockingbird, 19; Robin, 25; Hermit Thrush, 2; Eastern Bluebird, 31; Golden-crowned Kinglet, 38; Cedar Waxwing, 4; Starling, 1188; Myrtle Warbler, 47; Pine Warbler, 2; Palm Warbler, 1; House Sparrow, 245; Eastern Meadowlark, 88; Redwinged Blackbird, 85; Rusty Blackbird, 311; Common Grackle, 12; Brown-headed Cowbird, 10; Cardinal, 499; Purple Finch, 69; Am. Goldfinch, 133; Rufous-sided Towhee, 144; Slate-colored Junco, 341; Oregon Junco, 1 [no details—Ed.]; Tree Sparrow, 6; Field Sparrow, 48; White-crowned Sparrow, 19; White-throated Sparrow, 236; Fox Sparrow, 10; Lincoln's Sparrow, 4 [no details—Ed.]; Swamp Sparrow, 1; Song Sparrow, 388. **Total,** 75 species; about 8286 individuals.—R. M. Edeburn (compiler), George H. Gunnoe, Mrs. H. C. Hale, Tommy Igo, Lloyd Kiff, Hugh Land, Howard Lawless, Quinn Martin, Mrs. W. H. Odell, Mrs. Grady Risen, Robert Van Blaricom, Rachel Wilson.

309. Inwood, W. Va. (all points within a 15-mile diameter circle, center Watson's Grocery, Inwood; southern Berkeley County from Martinsburg to Va. line, from Opequon Creek to top of North Mountain; orchards 20%, mature oak forests 10%, pasture 15%, open farm fields 20%, scrub pine, locusts and sumac 30%, small streams and marshes 5%).—Dec. 28; 7 a.m. to 5 p.m.; temp. 20° to 35°; wind SW, 5-15 m.p.h.; water frozen except springs, 3 weeks ground snow. Four observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 71 (4 on foot, 67 by car). ► Turkey Vulture, 70; Black Vulture, 2; Sparrow Hawk, 1; Bobwhite, 117 (9

coveys); Killdeer, 8; Common Snipe, 4; Mourning Dove, 15; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 12; Blue Jay, 18; Common Crow, 35; Carolina Chickadee, 13; Tufted Titmouse, 25; White-breasted Nuthatch, 1; Carolina Wren, 4; Mockingbird, 27; Robin, 4; Golden-crowned Kinglet, 8; Starling, 311; Myrtle Warbler, 2; House Sparrow, 385; Eastern Meadowlark, 5; Rusty Blackbird, 5; Common Grackle, 3; Brown-headed Cowbird, 1; Cardinal, 185; Purple Finch, 4; Am. Goldfinch, 3; Slate-colored Junco, 197; Tree Sparrow, 90; White-crowned Sparrow, 5; White-throated Sparrow, 92; Song Sparrow, 32. **Total,** 36 species; about 1697 individuals. (Seen in area count period, but not on count day: Loggerhead Shrike.)—R. LeGarde Armel, James Gutsell, Clark Miller (compiler), Trecla Miller.

310. Mason County, W. Va. (all points within a 15-mile diameter circle, center 2.5 miles west of Arlee; diameter from Ashton to Pt. Pleasant; coniferous woodlands 5%, deciduous woodlands 10%, ponds and river 20%, scrub growth 35%, weedy fields 30%).—Dec. 28; 5:30 a.m. to 5:30 p.m. Cloudy; temp. 18° to 37°; wind S, 1-6-3 m.p.h.; ground bare, ponds frozen. Seven observers in 2-4 parties. Total party-hours, 39 (18 on foot, 21 by car); total party-miles, 292 (15 on foot, 277 by car). ► Horned Grebe, 1; Pied-billed Grebe, 8; Canada Goose, 14; **Snow Goose, 2** (present all month); **Blue Goose, 1** (present since Oct.); Mallard, 147; Black Duck, 207; Green-winged Teal, 21; Am. Widgeon, 2; Redhead, 2; Ring-necked Duck, 2; Canvasback, 46; Greater Scaup, 7; Lesser Scaup, 5; Common Goldeneye, 28; Bufflehead, 8; Hooded Merganser, 2; Common Merganser, 2; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 18; Am. Coot, 1; Herring Gull, 79; Ring-billed Gull, 22; Mourning Dove, 4; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Pileated Woodpecker, 8; Red-bellied Woodpecker, 8; Hairy Woodpecker, 13; Downy Woodpecker, 34; Horned Lark, 6; Blue Jay, 32; Common Crow, 1997; Carolina Chickadee, 29; Tufted Titmouse, 41; White-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 7; Mockingbird, 17; **Catbird, 1**; Robin, 2; Eastern Bluebird, 7; Starling, 668; Myrtle Warbler, 1; House Sparrow, 84; Eastern Meadowlark, 39; Redwinged Blackbird, 14; Rusty Blackbird, 29; Common Grackle, 11; Brown-headed Cowbird, 6; Cardinal, 128; Purple Finch, 2; Am. Goldfinch, 102; Rufous-sided Towhee, 24; Vesper Sparrow, 1; Slate-colored Junco, 42; Tree Sparrow, 152; **Chipping Sparrow, 1** (all field marks —L.K.); Field Sparrow, 50; White-crowned Sparrow, 95; White-throated Sparrow, 37; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 106. **Total,** 68 species; about 4453 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Red-tailed Hawk, Winter Wren, Pine Warbler.)—Lewis Argabrite, Tom Igou, Lloyd Kiff (compiler), Dick Midkiff (Ona Ornithological Society).

311. Bowling Green, Ky. (all points within a 15-mile diameter circle, center 6 miles northwest of Bowling Green as in last 43 years).—Dec. 26; 6:20 a.m. to 5 p.m.; temp. 52° to 34°; wind W, 8-20 m.p.h.; ponds frozen, streams open, remnants of snow. Four observers in 3 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 60 (12 on foot, 48 by car). ► Black Duck, 1; Canvasback, 1; Lesser Scaup, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 15; Bobwhite, 8; Killdeer, 2; Mourning Dove, 131; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Pileated Woodpecker, 8; Red-bellied Woodpecker, 28; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 22; Horned Lark, 94; Blue Jay, 59; Common Crow, 580; Carolina Chickadee, 53; Tufted Titmouse, 51; White-breasted Nuthatch, 4; Brown Creeper, 9; Winter Wren, 3; Bewick's Wren, 2; Carolina Wren, 14; Mockingbird, 40; Robin, 79; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 28; Cedar Waxwing, 51; Loggerhead Shrike, 1; Starling, 1620; Myrtle Warbler, 19; House Sparrow, 361; Eastern Meadowlark, 76; Red-winged Blackbird, 2; Common Grackle, 21; Cardinal, 172; Purple Finch, 23; Am. Goldfinch, 54; Rufous-sided Towhee, 55; Savannah Sparrow, 15; Slate-colored Junco, 138; Tree Sparrow, 4; Field Sparrow, 29; White-crowned Sparrow, 24; White-throated Sparrow, 147; Fox Sparrow, 5; Swamp Sparrow, 15; Song Sparrow, 47; **Lapland Longspur, 3. Total,** 57 species; about 4157 individuals. (Seen in area count period, but not on count day: Mallard, Wood Duck, Red-breasted Merganser, Eastern Phoebe.)—Millard Gipson, L. Y. Lancaster, Robert N. Pace, Gordon Wilson (compiler).

312. Danville, Ky. (all points within a 15-mile diameter circle, center court house).—Dec. 28; 7 a.m. to 5:15 p.m. Clear a.m., cloudy p.m.; temp. 20° to 40°; wind W, slight; running water open, ponds mostly frozen. Nine observers in 5 parties. Total party-hours, 28 (11 on foot, 17 by car); total party-miles, 187 (8 on foot, 179 by car). ► Pied-billed Grebe, 1; Canada Goose, 150; Snow Goose, 1; Blue Goose, 3; Mallard, 450; Black Duck, 125; Gadwall, 4; Pintail, 1; Green-winged Teal, 10; Am. Widgeon, 16; Canvasback, 4; Ruddy Duck, 1; Hooded Merganser, 2; Turkey Vulture, 6; Sharp-shinned Hawk, 3; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 35; Am. Coot, 3; Killdeer, 11; Common Snipe, 7; Mourning Dove, 49; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 15; Horned Lark, 25; Blue Jay, 24; Common Crow, 2450; Carolina Chickadee, 72; Tufted Titmouse, 64; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 7; Mockingbird, 18; Robin, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Loggerhead Shrike, 4; Starling, 2294; House Sparrow, 470; Eastern Meadowlark, 89; Redwinged Blackbird, 1; Rusty Blackbird, 3; Common Grackle, 3460; Brown-headed Cowbird, 9; Cardinal, 104; Rufous-sided Towhee, 6; Savannah Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco,

65; Field Sparrow, 22; White-crowned Sparrow, 52; White-throated Sparrow, 54; Song Sparrow, 60. **Total,** 61 species; about 10,292 individuals.—Florence Davis, Jackson Davis, Margaret Glore, Scott Glore, Jr., Eddie Heck, Edna Drill Heck, Frank H. Heck (compiler), Dorothy Belle Hill, L. W. Ullrich.

313. Henderson, Ky. (all points within a 15-mile diameter circle, center Audubon State Park Museum, including park area, Baskett, Geneva Bottoms, river front 2 miles; deciduous woods 60%, fields 20%, fencerows 10%, river bank 10%).—Dec. 29; 7 a.m. to 4:30 p.m. Clear; temp. 21° to 41°; wind SSW, 9 m.p.h. Six observers in 3 parties. Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 36 (12 on foot, 24 by car). ► Pied-billed Grebe, 2; Mallard, 4; Black Duck, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 7; Bobwhite, 10; Killdeer, 12; Mourning Dove, 38; Barred Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 11; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 50; Blue Jay, 24; Common Crow, 30; Carolina Chickadee, 21; Tufted Titmouse, 26; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 4; Bewick's Wren, 3; Carolina Wren, 6; Mockingbird, 8; Robin, 17; Hermit Thrush, 2; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 2; Starling, 20,000+; Myrtle Warbler, 4; House Sparrow, 550; Eastern Meadowlark, 18; Redwinged Blackbird, 1000; Common Grackle, 20,000+; Brown-headed Cowbird, 1000+; Cardinal, 43; Purple Finch, 2; Pine Siskin, 1; Am. Goldfinch, 13; Rufous-sided Towhee, 6; Slate-colored Junco, 24; Field Sparrow, 3; **Harris' Sparrow, 1** (J.S.); White-crowned Sparrow, 21; White-throated Sparrow, 20; Fox Sparrow, 2; Swamp Sparrow, 12. **Total,** 57 species; about 43,074 individuals. —Stanley Addy, King Benson, W. H. Rhoads, W. P. Rhoads (compiler), James Spainhoward, Mrs. George Stanley, Jr.

314. Kentucky Woodlands National Wildlife Refuge, Ky. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 30; 7 a.m. to 4:30 p.m. Dense fog, clearing by 10 a.m.; temp. 26° to 38°; wind NE, 0-2 m.p.h. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 45 (6 on foot, 39 by car). ► Great Blue Heron, 2; Canada Goose, 8000; Mallard, 11,000; Black Duck, 1500; Am. Widgeon, 10; Canvasback, 2; Lesser Scaup, 40; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; **Golden Eagle, 2**; Bald Eagle, 2; Sparrow Hawk, 2; Killdeer, 1; Ring-billed Gull, 16; Mourning Dove, 4; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, 4; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 19; Blue Jay, 17; Common Crow, 13; Carolina Chickadee, 57; Tufted Titmouse, 21; White-breasted Nuthatch, 4; Brown Creeper, 2; Carolina Wren, 2; Mockingbird, 1; Robin, 500; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Cedar Waxwing, 150; House Sparrow, 20; Eastern Meadowlark, 73; Redwinged Blackbird, 18; Cardinal, 85; Am. Goldfinch, 2; Rufous-sided Towhee, 22; Savannah Sparrow, 13; Slate-colored Junco, 111; Tree Sparrow, 2; Field Sparrow, 31; White-throated Sparrow, 51; Fox Sparrow, 8; Song Sparrow, 4. **Total,** 50 species; about 21,862 individuals. (Seen in area count period, but not on count day: Bobwhite.)—Hunter M. Hancock (compiler), Clell T. Peterson.

315. Lexington, Ky. (all points within a 15-mile diameter circle, center at junction of Tates Creek and Delaney Pikes near East Hickman).—Dec. 26; 7:20 a.m. to 5:50 p.m. Overcast; temp. 44° to 50°; wind SSW to WNW, 10-20 m.p.h.; some ponds open. Seven observers in 4 parties. Total party-hours, 27 (15 on foot, 12 by car); total party-miles, 210 (12 on foot, 198 by car). ► Great Blue Heron, 3; Canada Goose, 2; Mallard, 57; Black Duck, 11; Am. Widgeon, 2; Shoveler, 5; Cooper's Hawk, 4; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Sparrow Hawk, 12; Killdeer, 6; Mourning Dove, 3; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 27; Horned Lark, 105; Blue Jay, 11; Common Crow, 3323; Carolina Chickadee, 81; Tufted Titmouse, 54; Brown Creeper, 4; Bewick's Wren, 17; Carolina Wren, 5; Mockingbird, 14; Robin, 118; Golden-crowned Kinglet, 10; Cedar Waxwing, 90; Starling, 925; Myrtle Warbler, 10; House Sparrow, 62; Eastern Meadowlark, 7; Cardinal, 89; Purple Finch, 48; Am. Goldfinch, 13; **Red Crossbill, 1** (at feeder 3 times—Mrs. W.F.); Rufous-sided Towhee, 3; Slate-colored Junco, 324; Field Sparrow, 28; White-crowned Sparrow, 61; White-throated Sparrow, 25; Fox Sparrow, 1; Song Sparrow, 87. **Total,** 46 species; about 5698 individuals. (Seen in area count period, but not on count day: Common Snipe, Catbird, Brown Thrasher, Eastern Bluebird, Common Grackle.)—Barbara Burns, Mrs. Goldman Burns, Mrs. Woodrow Feck, Michael Flynn, Frank A. Pattie, Alfred M. Reece, Jr. (compiler), Conley Webster.

316. Louisville, Ky. (all points within a 15-mile diameter circle, center on Highway 42 one mile southwest of junction of Highways 42 and 22 as last year). —Jan. 1; 6 a.m. to 5:30 p.m. Overcast; temp. 32° to 35°; wind NW, 2-5 m.p.h.; ground snow covered, ponds frozen, flowing streams open. Twenty-one observers in 8 parties. Total party-hours, 37 (27 on foot, 10 by car); total party-miles, 187 (19 on foot, 168 by car). ► Common Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 4; Black-crowned Night Heron, 17; Canada Goose, 4; Mallard, 135; Black Duck, 251; Gadwall, 3; Pintail, 3; Ring-necked Duck, 16; Canvasback, 152; Lesser Scaup, 378; Common Goldeneye, 30; Bufflehead, 2; Ruddy Duck, 5; Hooded Merganser, 7; Red-breasted Merganser, 1; Black Vulture, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 8; Marsh Hawk, 5; Sparrow Hawk, 23; Am. Coot, 3; Killdeer, 13; Common Snipe, 1; Herring Gull, 61;

Ring-billed Gull, 102; Mourning Dove, 228; Barred Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 29; Pileated Woodpecker, 4; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 30; Horned Lark, 1445; Blue Jay, 94; Common Crow, 139; Carolina Chickadee, 98; Tufted Titmouse, 92; White-breasted Nuthatch, 6; Brown Creeper, 11; Bewick's Wren, 1; Carolina Wren, 38; Mockingbird, 55; Brown Thrasher, 3; Robin, 9; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Cedar Waxwing, 26; Starling, 30,730; House Sparrow, 341; Eastern Meadowlark, 167; Redwinged Blackbird, 19; Rusty Blackbird, 218; Common Grackle, 5500; Brown-headed Cowbird, 21; Cardinal, 497; Purple Finch, 8; Pine Siskin, 16; Am. Goldfinch, 28; Rufous-sided Towhee, 61; Slate-colored Junco, 404; Oregon Junco, 3; Tree Sparrow, 25; Field Sparrow, 7; White-crowned Sparrow, 113; White-throated Sparrow, 107; Swamp Sparrow, 8; Song Sparrow, 134; Lapland Longspur, 2. **Total,** 73 species; about 42,019 individuals. (Seen in area count period, but not on count day: Am. Widgeon, **Oldsquaw**, Common Merganser, Rough-legged Hawk, Bobwhite, Winter Wren, Loggerhead Shrike, Myrtle Warbler.)—Mr. and Mrs. Yancey Altsheler, Leonard C. Brecher, Floyd S. Carpenter, Joseph E. Croft, Frank X. Krull, Dr. and Mrs. Harvey B. Lovell, Burt L. Monroe, Sr. (compiler), Mrs. H. V. Noland, Louis Pieper, Evelyn Schneider, Mr. and Mrs. Francis P. Shannon, Mrs. Eugene Short, Mabel Slack, Roderic W. Sommers, Anne L. Stamm, Frederick W. Stamm, Mrs. W. B. Tabler, Mrs. E. V. Thompson (Beckham Bird Club).

317. Otter Creek Park, Ky. (all points within a 15-mile diameter circle, center as in previous years; deciduous woods 25%, brushy fields 40%, open fields 15%, Ohio River banks 20%).—Dec. 26; 7 a.m. to 4 p.m. Cloudy; temp. 35° to 54°; ponds frozen. Four observers in 2 parties. Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 35 (17 on foot, 18 by car). ► Great Blue Heron, 2; Canada Goose, 13; Mallard, 94; Black Duck, 53; Canvasback, 1; Lesser Scaup, 4; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; **Bald Eagle, 3**; Marsh Hawk, 2; Bobwhite, 32; Herring Gull, 8; Ring-billed Gull, 3; Mourning Dove, 16; **Snowy Owl, 1** (75 yards—A.S.); Belted Kingfisher, 3; Yellow-shafted Flicker, 27; Pileated Woodpecker, 4; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 16; Blue Jay, 29; Common Crow, 40; Carolina Chickadee, 40; Tufted Titmouse, 32; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 5; Mockingbird, 6; Robin, 29; Hermit Thrush, 1; Eastern Bluebird, 6; Cedar Waxwing, 26; Starling, 234; Myrtle Warbler, 27; House Sparrow, 12; Eastern Meadowlark, 1; Cardinal, 120; Pine Siskin, 4; Am. Goldfinch, 19; Rufous-sided Towhee, 38; Slate-colored Junco, 174; Tree Sparrow, 4; Field Sparrow, 33; White-crowned Sparrow, 1; White-throated Sparrow, 7; Fox Sparrow, 4; Swamp Sparrow, 42; Song Sparrow, 64. **Total,** 51 species; about 1315 individuals. (Seen in area count period, but not on count day: Barred Owl.)—Joseph E. Croft, Anne L. Stamm (compiler), Frederick W. Stamm, Haven Wiley.

318. Big Bald Mountain, Tenn.–N. C. (all points within a 15-mile diameter circle: Unicoi and Yancey Counties from east fork of Higgins Creek at 3500 ft. to summit of Big Bald at 5516 ft. and woodland borders at 5300 to 4900 ft.; deciduous woodland 70%, grassy treeless area on top of Big Bald 30%).—Jan. 2; 7:15 a.m. to 6 p.m. Clear to partly cloudy; temp. 28° to 35°; wind SW to NW, 5-15 m.p.h.; traces to 6-in. snow in woodlands. One observer. Total hours, 10¾; total miles, 8 (all on foot). ► Red-tailed Hawk, 1; Blue Jay, 3; Tufted Titmouse, 4; White-breasted Nuthatch, 7; Brown Creeper, 1; Cardinal, 2; Pine Siskin, 2; Rufous-sided Towhee, 1; Slate-colored Junco, 2; White-throated Sparrow, 3; **Snow Bunting, 1. Total,** 11 species; 27 individuals.—Fred C. Behrend.

319. Chattanooga, Tenn. (all points within a 15-mile diameter circle, center National Cemetery in city; fields and pastures 35%, woodlands 20%, ponds and lake 15%, creeks and river 15%, roadside 10%, residential 5%).—Dec. 26; 5 a.m. to 5 p.m. Partly cloudy to cloudy; temp. 36° to 60°; wind SW, 0-19 m.p.h. Twenty-one observers in 10 parties. Total party-hours, 85 (49 on foot, 36 by car); total party-miles, 383 (71 on foot, 312 by car). ► Horned Grebe, 22; Pied-billed Grebe, 3; Great Blue Heron, 4; Mallard, 34; Black Duck, 18; Common Goldeneye, 11; Hooded Merganser, 1; Turkey Vulture, 128; Black Vulture, 24; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 15; Bobwhite, 93; Killdeer, 54; Common Snipe, 4; Herring Gull, 4; Ring-billed Gull, 25; Mourning Dove, 446; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 70; Pileated Woodpecker, 19; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 13; Downy Woodpecker, 47; Eastern Phoebe, 1; Horned Lark, 72; Blue Jay, 371; Common Crow, 632; Carolina Chickadee, 141; Tufted Titmouse, 210; White-breasted Nuthatch, 35; Red-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 5; Bewick's Wren, 3; Carolina Wren, 82; Mockingbird, 129; Brown Thrasher, 21; Robin, 41; Hermit Thrush, 1; Eastern Bluebird, 80; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 6; Water Pipit, 25; Cedar Waxwing, 364; Loggerhead Shrike, 28; Starling, 81,308; Myrtle Warbler, 8; Pine Warbler, 3; House Sparrow, 641; Eastern Meadowlark, 308; Redwinged Blackbird, 10,388; Rusty Blackbird, 1537; Common Grackle, 15,578; Brown-headed Cowbird, 30; Cardinal, 294; Purple Finch, 32; Am. Goldfinch, 367; Rufous-sided Towhee, 154; Savannah Sparrow, 4; Slate-colored Junco, 246; Chipping Sparrow, 1; Field Sparrow, 174; White-throated Sparrow, 428; Fox Sparrow, 13; Swamp Sparrow, 18; Song Sparrow, 197. **Total,** 73 species; about 115,148 individuals. (Seen in area count period, but not on count day: Canada Goose, Canvasback.)—Leo Acuff, Mrs. J. R. Barnwell, Mr. and Mrs. T. S. Barr, Benton Basham, Ralph Bullard, Jr., R. L. Com-

stock, Jr. (compiler), Mrs. R. L. Comstock, Jr., Mrs. Leon Cross, Mr. and Mrs. Hugh Crownover, Kenneth Dubke, John Freeman, E. O. Grundset, Mr. and Mrs. Nat Halverson, Mrs. H. L. Sliger, Mrs. D. L. Tunsberg, Mr. and Mrs. E. M. West, Sara Whitworth (Chattanooga Chapter, T.O.S.).

320. Cookeville, Tenn. (all points within a 15-mile diameter circle, center Algood High School on Highway 42, four miles NE of courthouse in Cookeville).—Dec. 29; 7:30 a.m. to 4 p.m. Rain all day; temp. 40° to 46°; wind SW to NE, 0-5 m.p.h. Thirteen observers in 6 parties. Total party-hours, 64 (2 on foot, 62 by car); total party-miles, 186 (3 on foot, 183 by car). ► Turkey Vulture, 1; Cooper's Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Bobwhite, 8; Killdeer, 4; Mourning Dove, 86; Yellow-shafted Flicker, 20; Pileated Woodpecker, 5; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 9; Eastern Phoebe, 1; Horned Lark, 13; Blue Jay, 120; Common Crow, 219; Carolina Chickadee, 20; Tufted Titmouse, 34; White-breasted Nuthatch, 5; Winter Wren, 1; Bewick's Wren, 5; Carolina Wren, 10; Mockingbird, 27; Brown Thrasher, 2; Robin, 26; Eastern Bluebird, 20; Cedar Waxwing, 130; Loggerhead Shrike, 4; Starling, 1505; Myrtle Warbler, 2; House Sparrow, 40; Eastern Meadowlark, 150; Redwinged Blackbird, 2; Common Grackle, 515; Brown-headed Cowbird, 8; Cardinal, 140; Purple Finch, 60; Am. Goldfinch, 48; Rufous-sided Towhee, 59; Savannah Sparrow, 37; Vesper Sparrow, 40; Slate-colored Junco, 136; Tree Sparrow, 2; Chipping Sparrow, 16; Field Sparrow, 29; White-crowned Sparrow, 4; White-throated Sparrow, 55; Fox Sparrow, 3; Song Sparrow, 20. **Total,** 51 species; about 3670 individuals. (Seen in area count period, but not on count day: Bald Eagle, Herring Gull, Brown Creeper, Golden-crowned Kinglet.)—Claude Bruce, Joe Crumpacker, Roy Hinds, Paul L. Hollister (compiler), Mrs. Claren Loftis, Sidney McGee, J. T. More, Milos Sebor, Mrs. C. P. Snelgrove.

321. Elizabethton, Tenn. (all points within a 15-mile diameter circle, center Wilbur Dam; center shifted 3 miles northeast from that used past 14 years; lake border 5%, stream borders 50%, woodlands 30%, open fields 15%).—Dec. 31; 7 a.m. to 5 p.m. Clear to overcast to rain; temp. 24° to 50°; wind 0-15 m.p.h. Seven observers in 6 parties. Total party-hours, 44 (28 on foot, 16 by car); total party-miles, 145 (30 on foot, 115 by car). ► Pied-billed Grebe, 9; Great Blue Heron, 1; Mallard, 2; Ring-necked Duck, 17; Canvasback, 8; Lesser Scaup, 4; Common Goldeneye, 1; Bufflehead, 26; Hooded Merganser, 3; Black Vulture, 1; Cooper's Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 1; Bobwhite, 23; Killdeer, 6; Ring-billed Gull, 1; Mourning Dove, 14; Belted Kingfisher, 5; Yellow-shafted Flicker, 9; Pileated Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 1; Blue Jay, 30; Common Crow, 141; Carolina Chickadee, 27; Tufted Titmouse, 19; Brown Creeper, 5; Carolina Wren, 24; Mockingbird, 27; Robin, 7; Eastern Bluebird, 6; Golden-crowned Kinglet, 12; Loggerhead Shrike, 2; Starling, 1115; Myrtle Warbler, 21; House Sparrow, 147; Eastern Meadowlark, 76; Redwinged Blackbird, 1; Common Grackle, 11; Cardinal, 84; Purple Finch, 3; Am. Goldfinch, 73; Rufous-sided Towhee, 11; Savannah Sparrow, 1; Slate-colored Junco, 146; Field Sparrow, 56; White-crowned Sparrow, 10; White-throated Sparrow, 71; Fox Sparrow, 3; Swamp Sparrow, 5; Song Sparrow, 54. **Total,** 52 species; about 2350 individuals.—J. C. Browning, Ed Davidson, Kenneth Dubke, Mr. and Mrs. Lee R. Herndon (compiler), Roby D. May, Jr., Frank Ward.

322. Great Smoky Mountains National Park, Tenn.–N. C. (all points within a 15-mile diameter circle, center near Crib Gap about 3 miles east of Cades Cove, Abrams Falls at west, Blanket Mt. at east; open farmland 15%, oil fields 20%, forests 35%, roadsides 20%, stream courses, 60-acre reservoir 10%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 35° to 47°; wind variable, 5 m.p.h.; ground snow-covered at high altitudes. Thirty-three observers in 11 parties. Total party-hours, 89 (71 on foot, 18 by car); total party-miles, 210 (76 on foot, 134 by car). ► Common Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 8; Great Blue Heron, 1; Black Duck, 2; Ring-necked Duck, 45; Bufflehead, 1; Ruddy Duck, 7; Turkey Vulture, 3; Sharp-shinned Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 1; Sparrow Hawk, 4; Ruffed Grouse, 18; Bobwhite, 8; Am. Coot, 90; Mourning Dove, 150; Screech Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Pileated Woodpecker, 26; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 7; Downy Woodpecker, 32; Eastern Phoebe, 7; Blue Jay, 14; Common Raven, 3; Common Crow, 304; Black-capped and Carolina Chickadee, 148; Tufted Titmouse, 74; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 11; Winter Wren, 16; Carolina Wren, 25; Mockingbird, 7; Robin, 2; Hermit Thrush, 11; Eastern Bluebird, 27; Golden-crowned Kinglet, 117; Ruby-crowned Kinglet, 9; Cedar Waxwing, 14; Loggerhead Shrike, 2; Starling, 149; Myrtle Warbler, 23; House Sparrow, 35; Eastern Meadowlark, 194; Redwinged Blackbird, 3; Cardinal, 71; Purple Finch, 5; Am. Goldfinch, 22; Rufous-sided Towhee, 11; Savannah Sparrow, 4; Slate-colored Junco, 459; Field Sparrow, 211; White-crowned Sparrow, 1; White-throated Sparrow, 186; Fox Sparrow, 20; Swamp Sparrow, 111; Song Sparrow, 154. **Total,** 62 species; about 2891 individuals.—Jessie Dempster, Mr. and Mrs. Robert J. Dunbar, John Elson, Mary Enloe, W. F. Gallagher, Mr. and Mrs. H. C. Garlinghouse, Quincy A. Gorman, David B. Highbaugh, James Hill, Joseph C. Howell, Wayne M. Lamb, Charles W. Leveday, Richard Martin, William T. Martin, Mr. and Mrs. Robert A. Monroe, Mrs. E. E. Overton, Paul S. Pardue, Richard W. Russell, Mr. and Mrs. Louis F. Smith, Jr., Arthur Stupka (compiler), Mrs. Arthur Stupka, Mrs. Thomas C. Swindell, David Tanner, James T. Tanner, Dr. and Mrs. Samuel R. Tipton, James A. Wardley, Mr. and Mrs. George R. Wood (T.O.S., National Park Service, guests).

323. Kingsport, Tenn. (all points within a 15-mile diameter circle, center on Hillcrest, including SE slope of Bays Mt., borders of Boone Lake; open fields 30%, wooded land 40%, borders of lakes and streams 30%).—Jan. 2; 8:30 a.m. to 4:30 p.m. Clear, heavy mist over water until 10 a.m.; temp. 25° to 45°; wind 0-15 m.p.h.; running water open. Seven observers in 5 parties. Total party-hours, 38; total party-miles, 18 (all on foot). ► Common Loon, 1; Red-throated Loon, 1 [no details—ED.]; Pied-billed Grebe, 5; Great Blue Heron, 2; Mallard, 5; Black Duck, 2; Gadwall, 1; Redhead, 2; Ring-necked Duck, 4; Lesser Scaup, 2; Common Goldeneye, 9; Turkey Vulture, 7; Black Vulture, 3; Sparrow Hawk, 3; Bobwhite, 2; Killdeer, 5; Herring Gull, 24; Ring-billed Gull, 45; Mourning Dove, 32; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Pileated Woodpecker, 4; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 10; Blue Jay, 89; Common Crow, 2000; Carolina Chickadee, 56; Tufted Titmouse, 59; White-breasted Nuthatch, 3; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 14; Mockingbird, 24; Robin, 22; Eastern Bluebird, 5; Golden-crowned Kinglet, 20; Cedar Waxwing, 21; Loggerhead Shrike, 1; Starling, 1000; Myrtle Warbler, 13; House Sparrow, 47; Eastern Meadowlark, 79; Common Grackle, 14; Cardinal, 70; Purple Finch, 9; Am. Goldfinch, 15; Rufous-sided Towhee, 30; Slate-colored Junco, 100; Field Sparrow, 78; White-crowned Sparrow, 4; White-throated Sparrow, 84; Song Sparrow, 17. **Total,** 54 species; about 4075 individuals.—Dan, Tommy and Thomas W. Finucane, W. E. Gift, George Rodgers, Mrs. J. Winston Smith, Mrs. R. M. Switzer (compiler).

324. Knox County, Tenn. (all points within a 15-mile diameter circle, center at junction of Ball Camp Pike and Oak Ridge Highway, including parts of Fort Loudoun Lake, Andrew Jackson Lake, eastern edge of Knoxville; lakes 5%, open farmland 15%, brushy fields 30%, mixed woodlots 15%, roadsides and town 35%).—Jan. 2; 6:30 a.m. to 5:30 p.m. Clear; temp. 30° to 45°; wind variable, light. Nineteen observers in 11 parties. Total party-hours, 88 (53 on foot, 35 by car); total party-miles, 170 (52 on foot, 118 by car). ► Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 20; Black Duck, 5; Lesser Scaup, 21; Common Goldeneye, 5; Hooded Merganser, 15; Turkey Vulture, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 16; Bobwhite, 10; Killdeer, 83; Common Snipe, 83; Herring Gull, 4; Ring-billed Gull, 200; Mourning Dove, 232; Screech Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 36; Pileated Woodpecker, 15; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 38; Eastern Phoebe, 2; Horned Lark, 46; Blue Jay, 215; Common Crow, 901; Carolina Chickadee, 173; Tufted Titmouse, 124; White-breasted Nuthatch, 4; Brown Creeper, 12; Winter Wren, 11; Bewick's Wren, 6; Carolina Wren, 91; Mockingbird, 111; **Catbird, 1**; Brown Thrasher, 4; Robin, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 1; Water Pipit, 30; Cedar Waxwing, 23; Loggerhead Shrike, 20; Starling, 6738; Myrtle Warbler, 70; House Sparrow, 200; Eastern Meadowlark, 355; Redwinged Blackbird, 10; Rusty Blackbird, 35; Common Grackle, 10; Brown-headed Cowbird, 40; Cardinal, 313; Purple Finch, 17; Am. Goldfinch, 132; Rufous-sided Towhee, 109; Savannah Sparrow, 3; Slate-colored Junco, 196; Field Sparrow, 171; White-crowned Sparrow, 16; White-throated Sparrow, 362; Fox Sparrow, 9; Swamp Sparrow, 9; Song Sparrow, 141. **Total,** 70 species; about 11,607 individuals. (Seen in area count period, but not on count day: Hermit Thrush, **Dickcissel.**)—Jane Briscoe, Mr. and Mrs. Robert Dunbar, Mr. and Mrs. John Elson, Mary Enloe (compiler), Bill Gallagher, Dave Highbaugh, Joseph C. Howell, Beth Lacy, Mrs. Robert A. Monroe, Mrs. E. E. Overton, J. B. Owen, Paul Pardue, Dick Russell, Mrs. Kenneth Sanders, Mrs. Thomas Swindell, James T. Tanner, Sam R. Tipton.

325. Memphis, Tenn. (all points within a 15-mile diameter circle, center Highland Heights, 1953 areas generally; wooded bottomlands 30%, deciduous woods, city parks and cemeteries 25%, pastures, farms, airfields 20%, suburban roadsides 22%, river edge 3%).—Dec. 26; 7 a.m. to 5 p.m. Overcast to 11 a.m., then part fair; temp. 55° to 60°; wind W, 3-10 m.p.h.; muddy; standing water. Twenty-nine observers in 7 parties. Total party-hours, 86 (66 on foot, 20 by car); total party-miles, 193 (58 on foot, 135 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 2; Snow Goose, 2; Blue Goose, 4; Mallard, 78; Black Duck, 30; Wood Duck, 1; Ring-necked Duck, 22; Canvasback, 32; Lesser Scaup, 44; Ruddy Duck, 1; duck (sp.), 100; Cooper's Hawk, 1; Red-tailed Hawk, 31; Red-shouldered Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 14; Bobwhite, 114; Killdeer, 33; Common Snipe, 2; Ring-billed Gull, 35; Mourning Dove, 88; Barred Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 125; Pileated Woodpecker, 6; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 57; Yellow-bellied Sapsucker, 42; Hairy Woodpecker, 9; Downy Woodpecker, 43; Horned Lark, 33; Blue Jay, 368; Common Crow, 51; Fish Crow, 37; Carolina Chickadee, 129; Tufted Titmouse, 57; Brown Creeper, 5; Winter Wren, 16; Carolina Wren, 87; Mockingbird, 148; Brown Thrasher, 28; Robin, 1190; Hermit Thrush, 7; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 32; Water Pipit, 59; Cedar Waxwing, 736; Loggerhead Shrike, 18; Starling, 500,000; Myrtle Warbler, 51; **Palm Warbler, 1** (first winter record—B.C.); House Sparrow, 432; Eastern Meadowlark, 383; Western Meadowlark, 3; Redwinged Blackbird, 350,000; Rusty Blackbird, 30; Brewer's Blackbird, 8; Common Grackle, 900,000; Brown-headed Cowbird, 250,000; Cardinal, 616; Purple Finch, 20; Am. Goldfinch, 82; Rufous-sided Towhee, 109; Savannah Sparrow, 38; **Vesper Sparrow, 2** (B.C.); Slate-colored Junco, 541; Field Sparrow, 162; Harris' Sparrow, 2; White-crowned Sparrow, 38; White-throated Sparrow, 1745; Fox Sparrow, 70; **Lincoln's Sparrow, 1** (15 ft. in good light—Mrs. B.C.); Swamp Sparrow, 221; Song Sparrow, 251; Lapland

Longspur, 13. **Total,** 75 species; about 2,008,847 individuals.—John T. Bigham, Mrs. Ed Carpenter, Mr. and Mrs. Ben B. Coffey, Jr. (compilers), Mary Davant, Mrs. Henry Dinkelspiel, John H. Embury, Earl Fuller, Oliver F. Irwin, Mrs. Burt Johnson, Luther F. Keeton, Edward M. King, Charles McPherson, Mrs. J. H. McWhorter, Nelle Moore, Jack Moore, John Morrow, S. Jack Rini, Jim Rini, Mrs. Henry A. Schiller, Jack Shaffer, Bob Shaffer, Alice Smith, Mrs. Arlo I. Smith, Lynn Smith, Pamela Smith, Mrs. M. L. Torti, Mr. and Mrs. C. E. Wilmeth.

326. **Nashville, Tenn.** (all points within a 15-mile diameter circle, center at Harding as in past 10 years, including Bush's and Radnor lakes, Cumberland river bottoms, suburbs, farms, wooded hills).—Dec. 31; 6:30 a.m. to 4 p.m. Fair a.m., steady rain after 1 p.m.; temp. 23° to 35°; wind light. Thirty-nine observers in 13 parties. Total party-hours, 78 (35 on foot, 43 by car); total party-miles, 174 (32 on foot, 142 by car). ► Great Blue Heron, 2; Black-crowned Night Heron, 10; Mallard, 46; Black Duck, 7; Gadwall, 6; Am. Widgeon, 2; Wood Duck, 5; Redhead, 1; Canvasback, 29; Greater Scaup, 3; Lesser Scaup, 3; Common Goldeneye, 2; **Oldsquaw,** 1; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 6; **Rough-legged Hawk,** 1 (L.F., Jr.); Marsh Hawk, 5; Sparrow Hawk, 40; Bobwhite, 27; Am. Coot, 1; Killdeer, 41; **Least Sandpiper,** 1; Herring Gull, 25; Ring-billed Gull, 409; Mourning Dove, 247; Screech Owl, 4; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 92; Pileated Woodpecker, 25; Red-bellied Woodpecker, 55; Yellow-bellied Sapsucker, 24; Hairy Woodpecker, 10; Downy Woodpecker, 72; Eastern Phoebe, 7; Horned Lark, 181; Blue Jay, 132; Common Crow, 831; Carolina Chickadee, 118; Tufted Titmouse, 107; White-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 12; Bewick's Wren, 6; Carolina Wren, 46; Mockingbird, 83; Brown Thrasher, 3; Robin, **800,000** (roost); Hermit Thrush, 16; Eastern Bluebird, 70; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 5; Water Pipit, 9; Cedar Waxwing, 119; Loggerhead Shrike, 9; Starling, **500,000** (roosting with Robins); Myrtle Warbler, 146; House Sparrow, 155; Eastern Meadowlark, 335; Redwinged Blackbird, 162; **Brewer's Blackbird,** 6 (H.P.); Common Grackle, 235; Brown-headed Cowbird, 5; Cardinal, 593; Purple Finch, 5; Am. Goldfinch, 211; Rufous-sided Towhee, 147; Savannah Sparrow, 30; Slate-colored Junco, 349; Field Sparrow, 143; White-crowned Sparrow, 77; White-throated Sparrow, 236; Fox Sparrow, 18; Swamp Sparrow, 62; Song Sparrow, 180; **Lapland Longspur,** 1 (J.O., *et al.*). **Total,** 79 species; about 1,306,097 individuals.—Mr. and Mrs. B. H. Abernathy, O. C. Ault, Mr. and Mrs. W. F. Bell, Earl Bishop, Rev. and Mrs. Douglas Berndt, Ruth Castles, Annella Creech, D. J. and Fairman Cumming, Milbrey Dugger, Mr. and Mrs. John O. Ellis, Charles E. Farrell, Louis Farrell, Jr., Louis Farrell III, Garth Fort, Mary W. Frazer, Albert F. Ganier (compiler), Catherine Goodpasture, Wayland Hayes, Will T. Hon, J. P. Jones, Alan Munro, John Ogden, Henry E. Parmer, Jennie Riggs, Ed and Dan Schreiber, Paul Stumpf, W. D. Trabue, Mary Dale Trabue, L. O. Trabue, Anne and Lucy Trabue, Ruth White, Jesse Wills (Nashville Chapter, T.O.S.).

327. **Reelfoot Lake, Tenn.** (all points within a 15-mile diameter circle, center Reelfoot Lake; lake 20%, marsh 5%, deciduous woods 45%, field and farm 18%, roadside 12%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Overcast; temp. 35° to 47°; wind NE, 2-5 m.p.h. Eight observers in 3 parties. Total party-hours, 25 (8 on foot, 9 by car, 8 by boat); total party-miles, 194 (10 on foot, 175 by car, 9 by boat). ► Great Blue Heron, 16; Canada Goose, 5668 (18 Hutchins'); Mallard, 84,350; Black Duck, 7000; Gadwall, 7000; Pintail, 17,500; Green-winged Teal, 400; Am. Widgeon, 15,300; Shoveler, 2350; Wood Duck, 20; Redhead, 10; Ring-necked Duck, 6000; Canvasback, 3000; Lesser Scaup, 300; Common Goldeneye, 200; Bufflehead, 150; Ruddy Duck, 200; Hooded Merganser, 150; Turkey Vulture, 9; Black Vulture, 13; Cooper's Hawk, 2; Red-tailed Hawk, 25; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Bald Eagle, 25; Marsh Hawk, 9; Sparrow Hawk, 18; Bobwhite, 8; Am. Coot, 8700; Killdeer, 3; Herring Gull, 40; Ring-billed Gull, 89; Mourning Dove, 15; Belted Kingfisher, 7; Yellow-shafted Flicker, 8; Pileated Woodpecker, 10; Red-bellied Woodpecker, 20; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 3; Blue Jay, 22; Common Crow, 25,000; Carolina Chickadee, 45; Tufted Titmouse, 15; White-breasted Nuthatch, 3; Brown Creeper, 3; Carolina Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 4; Robin, 29; Eastern Bluebird, 6; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 13; Starling, 810,000; Myrtle Warbler, 1; House Sparrow, 200; Eastern Meadowlark, 31; Redwinged Blackbird, 1,620,000; Common Grackle, 81,000; Brown-headed Cowbird, 189,000; Cardinal, 114; Rufous-sided Towhee, 15; Slate-colored Junco, 60; Tree Sparrow, 2; White-throated Sparrow, 22; Swamp Sparrow, 4; Song Sparrow, 13. **Total,** 69 species (1 additional race); about 2,884,259 individuals. (Seen in area count period, but not on count day: Greater Scaup, Common Snipe.)—John R. Conder (compiler), Dr. and Mrs. Hunter M. Hancock, Preston Lane, Clell T. Peterson, William T. Sledd, Walter O. Stieglitz, James Wilke.

328. **Roan Mountain, Tenn.–N. C.** (all points within a 15-mile diameter circle; from crossing of new and old roads at 3750 ft. up old road to Carver's Gap at 5500 ft., thence to Round Bald at 5800 ft., return same route; deciduous hardwood forest 75%, coniferous forest 10%, grass bald 15%).—Dec. 25; 7:30 a.m. to 5:30 p.m. Clear, good visibility; temp. 20° to 34°; wind SW, 3-8 m.p.h.; 3-15-in. snow in woods, spotty cover on Round Bald, frost on trees above 4500 ft. One observer. Total hours, 10; total miles, 8 (all on foot). ► Ruffed Grouse, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 3; Common Raven, 1; Common Crow, 1; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Robin, 1; Purple Finch, 2; Pine Siskin, 2; Am. Gold-

finch, 1; Slate-colored Junco, 11; Song Sparrow, 1; **Snow Bunting, 15. Total,** 15 species; 47 individuals. —Fred W. Behrend.

329. Birmingham, Ala. (all points within a 15-mile diameter circle, center in New Merkel as in past 25 years, including areas between East Lake, Oak Mountain, Roberts Field, and Lake Purdy; oak-pine woods 35%, woodland borders 16%, residential 15%, lakes and ponds 12%, pastures, airports, golf courses 11%, hardwoods 6%, tall grass 5%).—Dec. 26; 5:30 a.m. to 5:30 p.m. Overcast and drizzly, partially clearing late morn; temp. 53° to 66°; wind SW, 10-17 m.p.h. Eighteen observers in 7 parties. Total party-hours, 58 (44 on foot, 14 by car); total party-miles, 275 (50 on foot, 225 by car). ► Pied-billed Grebe, 34; Great Blue Heron, 4; Mallard, 2; Black Duck, 1; Redhead, 7; Ring-necked Duck, 89; Canvasback, 48; Lesser Scaup, 7; Bufflehead, 1; Ruddy Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; **Broad-winged Hawk, 1** (adult perched—R.W.); Peregrine Falcon, 1; Sparrow Hawk, 4; Bobwhite, 20; Am. Coot, 911; Killdeer, 196; Common Snipe, 33; Herring Gull, 4 (2 parties); Mourning Dove, **335**; Barred Owl, 1; Belted Kingfisher, **7** (lowest since '50); Yellow-shafted Flicker, 76; Pileated Woodpecker, **25**; Red-bellied Woodpecker, **68**; Red-headed Woodpecker, 20; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 7; Downy Woodpecker, 34; Red-cockaded Woodpecker, 1; Eastern Phoebe, **2** (very low); Blue Jay, 170; Common Crow, 98; Carolina Chickadee, 161; Tufted Titmouse, 94; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 31; Brown Creeper, 8; Winter Wren, 4; Bewick's Wren, 3; Carolina Wren, 93; Mockingbird, 136; Brown Thrasher, 25; Robin, 119; Hermit Thrush, 12; Eastern Bluebird, **52** (lowest since '51); Golden-crowned Kinglet, 67; Ruby-crowned Kinglet, 51; Water Pipit, 7; Cedar Waxwing, **635**; Loggerhead Shrike, 15; Starling, 1339; Orange-crowned Warbler, 1 (F.D. party); Myrtle Warbler, 10; Pine Warbler, 26; Yellowthroat, 1; House Sparrow, 771; Eastern Meadowlark, 377; Redwinged Blackbird, 592; **Orchard Oriole, 1** (male—McTyeire party); Rusty blackbird, 235; Common Grackle, 40; Brown-headed Cowbird, 501; Cardinal, 207; Purple Finch, 4; Am. Goldfinch, 300; Rufous-sided Towhee, 218; Savannah Sparrow, **189**; Grasshopper Sparrow, 1 (T.I.); Vesper Sparrow, 17; Bachman's Sparrow, **7** (J.S.); Slate-colored Junco, 597; Chipping Sparrow, 52; Field Sparrow, 296; White-crowned Sparrow, 1; White-throated Sparrow, 498; Fox Sparrow, **3** (lowest in 19 years); Swamp Sparrow, 141; Song Sparrow, 221. **Total,** 83 species; about 10,420 individuals. (Seen in area count period, but not on count day: Swainson's Thrush.)—Ruth Brunson, Frederick T. Carney, Walter F. Coxe, F. Bozeman Daniel, Emmie Lou Grimley, Malcolm Harden, Jr., Daniel C. Holliman, Thomas A. Imhof (compiler), Clustie McTyeire, Morton H. Perry, Robert D. Perry, Margaret Persons, M. F. Prather, Grace Marie Snead, Idalene F. Snead, J. Bolling Sullivan, Louise Weston, Robert S. Weston (Birmingham Audubon Society).

330. Dauphin Island, Ala. (all points within a 15-mile diameter circle, center on southern tip of Mon Luis Isle, including Cedar Point, Coden, Bayou La Batre, Bellingrath Gardens, all but westernmost 4 miles of Dauphin Island; pine-hardwoods 28%, pine woods 20%, sheltered salt and brackish water 16%, mud and shell flats 12%, residential 12%, salt marsh 5%, fresh marsh 3%, Gulf of Mexico 2%, sand flats and beaches 2%).—Dec. 30; 6 a.m. to 6 p.m. Overcast; temp. 45° to 55°; wind NNE, 8-18 m.p.h. Fifteen observers in 6 parties. Total party-hours, 49 (33 on foot, 13 by car, 3 in boat); total party-miles, 318 (38 on foot, 245 by car, 35 in boat). ► Common Loon, 32; Horned Grebe, 51; Pied-billed Grebe, 8; White Pelican, 4; Brown Pelican, 14; Gannet, 7 (H.H., J.E., C.E.); Double-crested Cormorant, 116; Great Blue Heron, 38; Common Egret, 4; Snowy Egret, 1; Louisiana Heron, 5; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 2; Mallard, 4; Black Duck, 30; Gadwall, 25; Pintail, 8; Green-winged Teal, 15; Am. Widgeon, 115; Wood Duck, 6; Ring-necked Duck, 15; Canvasback, 4; Greater Scaup, 62; Lesser Scaup, 255; Common Goldeneye, **435**; Bufflehead, 4; Red-breasted Merganser, 385; duck (sp.), 375; Turkey Vulture, 3; Black Vulture, 1; accipiter (sp.), 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; **Broad-winged Hawk, 2** (T.I., B.C.); **Rough-legged Hawk, 1** (carefully identified —C.McT., L.R.); Marsh Hawk, 13; **Osprey, 1** (B.C.); Sparrow Hawk, 30; Clapper Rail, 23; Virginia Rail, 1; Sora, **1** (very low); Am. Oystercatcher, 4; Semipalmated Plover, 33; Piping Plover, 69; Snowy Plover, 1; Killdeer, 39; Black-bellied Plover, 74; Ruddy Turnstone, 17; Common Snipe, 2; Willet, **39**; Greater Yellowlegs, 9; Least Sandpiper, 5; Dunlin, 273; Short-billed Dowitcher, 16; Semipalmated Sandpiper, 39; Western Sandpiper, 216; Sanderling, 99; Herring Gull, 436; Ring-billed Gull, 702; Laughing Gull, 28; Bonaparte's Gull, 14; Gull-billed Tern, 3; Forster's Tern, 72; Royal Tern, 39; Caspian Tern, 111; gulls and terns (sp.), 1000; Black Skimmer, 2; **White-winged Dove, 1** (B.C.); Mourning Dove, 4; Barn Owl, 1; Barred Owl, 1; **Long-eared Owl, 1** (C.McT.,L.R.); Belted Kingfisher, 33; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 14; Downy Woodpecker, 2; Eastern Phoebe, **4** (still low); Tree Swallow, **1512+**; Blue Jay, 198; Common Crow, 14; Fish Crow, 13; Carolina Chickadee, 14; Tufted Titmouse, 23; **Red-breasted Nuthatch, 1** (reached Gulf 6 years in row); Brown-headed Nuthatch, 59; House Wren, 5; Winter Wren, **10**; Carolina Wren, 28; Long-billed Marsh Wren, 25; Short-billed Marsh Wren, 36; Mockingbird, 62; Catbird, 1; Brown Thrasher, 20; Robin, **3771+**; **Wood Thrush, 1** (good study by 2 parties); Hermit Thrush, **1** (low); Eastern Bluebird, 38; Blue-gray Gnatcatcher, 6; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 71; Water Pipit, 78; Cedar Waxwing, 230; Loggerhead Shrike, 40; Starling, 53; Solitary Vireo, 2; Orange-crowned Warbler, 8; **Parula Warbler, 1** (male, same place 3 years—T.I.); Myrtle Warbler, 896; Yellow-throated Warbler, 1 (B.D.); Pine Warbler, 19; Palm Warbler, **3** (low); Yellowthroat, 4; House Sparrow,

150+; Eastern Meadowlark, 39; Redwinged Blackbird, 1017; Common Grackle, 1565+; Brown-headed Cowbird, 6; Cardinal, 94; Am. Goldfinch, 121; Rufous-sided Towhee, 119; Savannah Sparrow, 5; Sharp-tailed Sparrow, 10; Seaside Sparrow, 20; Vesper Sparrow, 1; Chipping Sparrow, 75; Field Sparrow, 7; White-crowned Sparrow, 1; White-throated Sparrow, 245; **Lincoln's Sparrow, 2** (T.I.); Swamp Sparrow, 48; Song Sparrow, 12. **Total,** 130 species; about 16,362 individuals.—C. Bianco, Fairly Chandler, Blanche H. Chapman, Blanche E. Dean, Rev. J. L. Dorn, Jane Douglas, Elizabeth Eddy, Cora Evans, Jerry Evans, M. Wilson Gaillard, Henry D. Haberyan, Joseph A. Imhof, Thomas A. Imhof (compiler), Clustie McTyeire, Larry Rosen (A.O.S. and guests).

331. **Mobile, Ala.** (all points within a 15-mile diameter circle, center at Royal and Government Sts., including Causeway, Mobile Bay, Mobile, suburbs, Spring Hill College Campus, Overlook Nursery, Municipal Park; river, bay, ponds 25%, marshlands and beaches 25%, upland deciduous and evergreen woods 25%, thickets, pastures, roadsides 15%, cultivated fields, nursery fields, golf courses 10%).—Dec. 31; 6:30 a.m. to 5:30 p.m. Light rain a.m., sunshine mid-afternoon; temp. 49° to 67°; wind 5-50 m.p.h. Four observers in 3 parties. Total party-hours, 35 (20 on foot, 10 by car, 5 in boat); total party-miles, 134 (17 on foot, 99 by car, 18 in boat). ► Horned Grebe, 2; Pied-billed Grebe, 1; White Pelican, **100**; Double-crested Cormorant, 3; Great Blue Heron, 4; Little Blue Heron, 20; Common Egret, 100; Snowy Egret, 45; Louisiana Heron, 13; Least Bittern, 1; **White Ibis, 15**; Mallard, 340; Gadwall, 300; Pintail, 200; Green-winged Teal, 45; Am. Widgeon, 30; Shoveler, 1; Ring-necked Duck, 125; Canvasback, 500; Greater Scaup, 5; Lesser Scaup, 400; Bufflehead, 15; Ruddy Duck, 3; Hooded Merganser, 7; Red-breasted Merganser, 1; Turkey Vulture, 2; Black Vulture, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 1; Bobwhite, 5; King Rail, 1; Clapper Rail, 1; Virginia Rail, 2; Sora, 9; Common Gallinule, 4; Am. Coot, 6000; Semipalmated Plover, 15; Piping Plover, 11; Killdeer, 40; Black-bellied Plover, 18; Common Snipe, 135; Lesser Yellowlegs, **15**; Least Sandpiper, 25; Dunlin, 37; Semipalmated Sandpiper, 35; Western Sandpiper, 28; Sanderling, 13; Herring Gull, 332; Ring-billed Gull, 795; Laughing Gull, 10; Bonaparte's Gull, 1; Forster's Tern, 300; Common Tern, 2; Royal Tern, 12; Caspian Tern, 52; **Black Tern, 12** (at 35 ft.—J.D., M.G.); Mourning Dove, 75; Ground Dove, 2; Barred Owl, 3; Belted Kingfisher, 15; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Eastern Phoebe, 1; Tree Swallow, 15; Blue Jay, 100; Common Crow, 3; Fish Crow, 4; Carolina Chickadee, 2; Tufted Titmouse, 9; Brown-headed Nuthatch, 1; Brown Creeper, 1; Bewick's Wren, 1; Carolina Wren, 9; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 25; Catbird, 1; Brown Thrasher, 10; Robin, 1200; Hermit Thrush, 1; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 14; Water Pipit, 7; Cedar Waxwing, 52; Loggerhead Shrike, 8; Starling, 700; White-eyed Vireo, 1; Solitary Vireo, 1; Orange-crowned Warbler, 5; Myrtle Warbler, 25; Pine Warbler, 5; Palm Warbler, 3; Yellowthroat, 1; House Sparrow, 200; Eastern Meadowlark, 15; Redwinged Blackbird, 500; Brewer's Blackbird, 14; Boat-tailed Grackle, 100; Common Grackle, 75; Brown-headed Cowbird, 15; Cardinal, 18; Purple Finch, 5; Am. Goldfinch, 10; Rufous-sided Towhee, 12; Savannah Sparrow, 7; Sharp-tailed Sparrow, 1; Seaside Sparrow, 4; Field Sparrow, 3; White-throated Sparrow, 280; Swamp Sparrow, 5; Song Sparrow, 1. **Total,** 119 species; about 13,810 individuals. (Seen in area count period, but not on count day: Common Loon, Blue-winged Teal, Black Duck, Redhead, Short-billed Dowitcher, Screech Owl, House Wren, Vesper Sparrow, Chipping Sparrow.)—Fairly Chandler, Rev. J. L. Dorn (compiler), Paul Feldhaus, M. Wilson Gaillard.

332. **Bayou Caddy–Pass Christian, Miss.** (all points within a 15-mile diameter circle, center 3 miles west of Bay St. Louis; bays and sounds 50%, coastal marsh 10%, fresh-water marsh and ponds 2%, sandy beach 1%, hardwoods and hammocks 4%, pasture and farmland 4%, residential 2%, pine woods and pine-prairie 20%, misc. 7%).—Dec. 25; 7:20 a.m. to 5:20 p.m. Cloudy; temp. 50° to 60°; wind NE to NW, 0-12 m.p.h. One observer. Total hours, 10 (6 on foot, 4 by car); total miles, 35 (3 on foot, 32 by car). ► Common Loon, 9; Horned Grebe, 3; Pied-billed Grebe, 22; Double-crested Cormorant, 21; Great Blue Heron, 13; Common Egret, 12; Snowy Egret, 2; Louisiana Heron, 4; Gadwall, 1; Green-winged Teal, 3; Blue-winged Teal, 2; Am. Widgeon, 4; Wood Duck, 4; Redhead, 1; Ring-necked Duck, 8; Lesser Scaup, 2; Common Goldeneye, 19; Bufflehead, 1; Hooded Merganser, 3; Red-breasted Merganser, 4; Turkey Vulture, 3; Black Vulture, 40; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 5; Bobwhite, 25; King Rail, 4; Clapper Rail, 30; Sora, 1; Common Gallinule, 1; Am. Coot, 7; Semipalmated Plover, 5; Piping Plover, 3; Killdeer, 17; Black-bellied Plover, 1; Ruddy Turnstone, 4; Common Snipe, 7; Dunlin, 135; Semipalmated Sandpiper, 5; Sanderling, 50; Herring Gull, 18; Ring-billed Gull, 65; Laughing Gull, 1; Bonaparte's Gull, 30; Forster's Tern, 16; Caspian Tern, 11; Mourning Dove, 22; Belted Kingfisher, 5; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; **Western Kingbird, 1**; Eastern Phoebe, 1; Tree Swallow, 2000; Blue Jay, 6; Common Crow, 2; Carolina Chickadee, 2; Tufted Titmouse, 3; Brown-headed Nuthatch, 4; Brown Creeper, 1; House Wren, 2; Winter Wren, 1; Carolina Wren, 8; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 1; Mockingbird, 14; Brown Thrasher, 2; Robin, 250; Eastern Bluebird, 37; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 6; Water Pipit, 19; Loggerhead Shrike, 10; Starling, 29; Solitary Vireo, 1; Orange-crowned Warbler, 5; Myrtle Warbler, 200;

Pine Warbler, 48; Palm Warbler, 2; Yellowthroat, 13; House Sparrow, 15; Eastern Meadowlark, 65; Redwinged Blackbird, 400; Boat-tailed Grackle, 14; Common Grackle, 1; Cardinal, 12; Am. Goldfinch, 22; Rufous-sided Towhee, 5; Savannah Sparrow, 12; Sharp-tailed Sparrow, 1; Seaside Sparrow, 3; Field Sparrow, 9; White-throated Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 2. **Total,** 102 species; about 3932 individuals.—Lovett E. Williams, Jr.

333. Ft. Adams, Miss. (all points within a 15-mile diameter circle, center 2 miles NW of Lessley; from U. S. 61 SW to Laneheart and Lessley; Percy Creek Rd., 4 miles E of Lessley to Ft. Adams; Lake Mary; E 8 miles of Ft. Adams Rd.; roadsides and pastures 33%, overgrown fields 12%, pine-oak upland 25%, deciduous bottomlands 25%, bayou and lake 5%).—Jan. 1; 7 a.m. to 5 p.m. Overcast to part sunny; temp. 38° to 54°; wind calm. Three observers in 1-2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 47 (9 on foot, 38 by car). ► Double-crested Cormorant, 1; Mallard, 4; Wood Duck, 1; Turkey Vulture, 6; Black Vulture, 17; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Bobwhite, 16; Am. Coot, 1; Killdeer, 93; Common Snipe, 1; Mourning Dove, 8; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 33; Pileated Woodpecker, 15; Red-bellied Woodpecker, 67; Red-headed Woodpecker, 16; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 10; Downy Woodpecker, 33; Eastern Phoebe, 6; Blue Jay, 133; Common Crow, 194; Carolina Chickadee, 64; Tufted Titmouse, 47; Brown-headed Nuthatch, 4; Winter Wren, 8; Bewick's Wren, 1; Carolina Wren, 126; Short-billed Marsh Wren, 8; Mockingbird, 48; Catbird, 1; Brown Thrasher, 17; Robin, 473; Hermit Thrush, 31; Eastern Bluebird, 24; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 51; Cedar Waxwing, 323; Loggerhead Shrike, 27; Starling, 21; Orange-crowned Warbler, 1; Myrtle Warbler, 171; Pine Warbler, 3; House Sparrow, 57; Eastern Meadowlark, 174; Redwinged Blackbird, 360; Common Grackle, 59; Cardinal, 182; Purple Finch, 4; Am. Goldfinch, 131; Rufous-sided Towhee, 42; Savannah Sparrow, 60; Le Conte's Sparrow, **24** (B.C.); Slate-colored Junco, 143; Chipping Sparrow, 5; Field Sparrow, 33; White-throated Sparrow, 908; Fox Sparrow, 14; Swamp Sparrow, 243; Song Sparrow, 61; Lapland Longspur, 1. **Total,** 66 species; about 4655 individuals.—Mr. and Mrs. Ben B. Coffey, Jr. (compilers), Alice Smith.

334. Jackson, Miss. (all points within a 15-mile diameter circle, center intersection of Berry St. and Gault St.; deciduous bottomland 10%, hardwood upland 10%, pine forest 4%, mixed conifers and hardwoods 18%, parks and cemeteries 5%, pastures and weedy fields 40%, wooded lakes 3%, open lakes 4%, marsh 1%, residential 5%).—Jan. 2; 7 a.m. to 5 p.m. Overcast all day, heavy fog until 10:30 a.m.; temp. 26° to 43°; wind NW, 0-14 m.p.h. Five observers in 2 parties. Total party-hours, 20 (14 on foot, 6 by car); total party-miles, 121 (6 on foot, 115 by car). ► Pied-billed Grebe, 13; Great Blue Heron, 4; Wood Duck, 2; Lesser Scaup, 119; Ruddy Duck, 13; Turkey Vulture, 5; Black Vulture, 13; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 9; Bobwhite, 13; Killdeer, 29; Ring-billed Gull, 1; Mourning Dove, 23; Belted Kingfisher, 4; Yellow-shafted Flicker, 33; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 35; Yellow-bellied Sapsucker, 19; Downy Woodpecker, 8; Eastern Phoebe, 2; Blue Jay, 43; Common Crow, 36; Fish Crow, 1; Carolina Chickadee, 36; Tufted Titmouse, 34; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 13; Brown Creeper, 10; Winter Wren, 4; Carolina Wren, 16; Mockingbird, 31; Brown Thrasher, 26; Robin, 11; Hermit Thrush, 9; Eastern Bluebird, 4; Golden-crowned Kinglet, 37; Ruby-crowned Kinglet, 28; Water Pipit, 1; Cedar Waxwing, 7; Loggerhead Shrike, 27; Starling, 1650; Solitary Vireo, 1; Orange-crowned Warbler, 3; Myrtle Warbler, 20; Pine Warbler, 6; Yellowthroat, 3; House Sparrow, 169; Eastern Meadowlark, 90; Redwinged Blackbird, 125; Rusty Blackbird, 10; Common Grackle, 9550; Brown-headed Cowbird, 50; Cardinal, 73; Purple Finch, 3; Am. Goldfinch, 21; Rufous-sided Towhee, 49; Savannah Sparrow, 13; Slate-colored Junco, 22; Field Sparrow, 36; White-throated Sparrow, 1275; Fox Sparrow, 3; Swamp Sparrow, 34; Song Sparrow, 15. **Total,** 66 species; about 13,958 individuals.—Christine Berry, B. E. Gandy (compiler), John H. Phares, W. H. Turcotte, Mrs. W. G. Willis, Jr.

335. Moon Lake, Miss. (all points within a 15-mile diameter circle, center 2 miles WSW of Dundee; 1952 route; lake 15%, levee and pastures 15%, wooded bayous 30%, other deciduous woods 20%, weedy fields and roadsides 20%).—Dec. 24; 6:40 a.m. to 5 p.m. Fair; temp. 34° to 54°; wind 0-6 m.p.h.; muddy; bayous full. Two observers in 1-2 parties. Total party-hours, 12 (4 on foot, 8 by car); total party-miles, 60 (5 on foot, 55 by car). ► Pied-billed Grebe, 1; Mallard, 166; Wood Duck, 5; Canvasback, 352; Lesser Scaup, 10; Ruddy Duck, 700; Hooded Merganser, 61; Red-tailed Hawk, 13; Marsh Hawk, 3; Sparrow Hawk, 5; Am. Coot, 187; Killdeer, 9; Am. Woodcock, 1; Common Snipe, 20; Herring Gull, 3; Ring-billed Gull, 310; Mourning Dove, 65; Yellow-shafted Flicker, 15; Pileated Woodpecker, 2; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 35; Blue Jay, 26; Carolina Chickadee, 9; Tufted Titmouse, 2; Winter Wren, 8; Carolina Wren, 31; Short-billed Marsh Wren, 3; Mockingbird, 12; Brown Thrasher, 1; Robin, 9; Hermit Thrush, 2; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 4; Water Pipit, 12; Loggerhead Shrike, 2; Starling, 800,000; Myrtle Warbler, 5; House Sparrow, 155; Eastern Meadowlark, 98; Redwinged Blackbird, 800,000; Rusty Blackbird, 2; Common Grackle, **2,000,000**; Brown-headed Cowbird, 400,000; Cardinal, 47; Am. Goldfinch, 3; Rufous-sided Towhee, 2; Savannah Sparrow, 24; **Vesper Sparrow, 18**; Slate-colored Junco, 18; Field Sparrow, 41; White-crowned Sparrow, 41; White-throated Sparrow, 147; Fox Sparrow, 2; Swamp Spar-

row, 114; Song Sparrow, 97; Lapland Longspur, 12. **Total,** 60 species; about 4,002,967 individuals.—Ben B. Coffey, Jr. (compiler), Earl Fuller.

336. **Almont, Mich.** (all points within a 15-mile diameter circle, center on Mack and Fisher Roads in Macomb Co., circumference touching Dryden Rd. on north, Twenty-seven Mile Rd. on south, Coon Creek Rd. on east, Delano Rd. on west; town suburbs 5%, abandoned brush-covered fields 15%, lakes 5%, open farmland 30%, roadside borders 45%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy bright; temp. 34° to 36°; wind SW, 8 m.p.h.; roads snow covered but in good condition. Two observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 106 (4 on foot, 102 by car). ► Red-tailed Hawk, **19**; Rough-legged Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 3; Bobwhite, 9; Ring-necked Pheasant, 13; Mourning Dove, 314; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 18; Common Crow, 30; Black-capped Chickadee, 16; Tufted Titmouse, 2; White-breasted Nuthatch, 11; Brown Creeper, 3; Robin, 2; Northern Shrike, 2; Starling, 250; House Sparrow, 247; Eastern Meadowlark, 9; Red-winged Blackbird, 1; Cardinal, 35; Slate-colored Junco, 13; Tree Sparrow, 73; Song Sparrow, 1. **Total,** 26 species; about 1081 individuals.—Harold Carpenter, James P. Smith (compiler).

337. **Ann Arbor, Mich.** (all points within a 15-mile diameter circle, center intersection of U. S. 23 and Warren Rd. north of Ann Arbor; bottomlands and river edge 20%, deciduous woodlots 25%, coniferous plantations 5%, fields and roadsides 45%, Tamarack and sphagnum bogs 5%).—Dec. 31; 7:30 a.m. to 5 p.m. Mostly cloudy; temp. 28° to 39°; wind W, 0-4 m.p.h.; lakes and part of Huron River frozen, 3-in. snow on ground. Twenty-five observers in 6 parties. Total party-hours, 48 (30 on foot, 18 by car); total party-miles, 249 (24 on foot, 225 by car). ► Black Duck, 2; Common Goldeneye, 43; Cooper's Hawk, 3; Red-tailed Hawk, **43**; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 7; Bobwhite, 30; Ring-necked Pheasant, 57; Mourning Dove, 33; Screech Owl, 1; Great Horned Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 4; **Yellow-bellied Sapsucker, 1** (W.H.); Hairy Woodpecker, 13; Downy Woodpecker, 95; Horned Lark, 6; Blue Jay, 73; Common Crow, 21; Black-capped Chickadee, 172; Tufted Titmouse, 123; White-breasted Nuthatch, 107; Red-breasted Nuthatch, 2; Brown Creeper, 12; **Carolina Wren, 1** (seen and heard); Robin, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 35; Cedar Waxwing, 70; Starling, 442; Myrtle Warbler, 11; House Sparrow, 814; Eastern Meadowlark, 3; Cardinal, 128; Purple Finch, 10; Am. Goldfinch, 99; Slate-colored Junco, 139; Tree Sparrow, 335; **White-crowned Sparrow, 1** (adult—R.S.); **White-throated Sparrow, 1**; Song Sparrow, 9. **Total,** 44 species; about 2982 individuals. (Seen in area count period, but not on count day: Ruffed Grouse, Herring Gull, **Mockingbird**, Pine Siskin, **Red Crossbill**.)—Max Adler (compiler), Ernest Allmendinger, Paul R. Barker, Ed Burrows, Bill Crosman, Carl Freeman, Doug Fulton, Wilfred Goodman, William F. Hopkins, Maxine Miles, Vaden Miles, Bill Pohnert, Gretchen Pohnert, Harvey Pohnert, Mrs. Harvey Pohnert, Roy Pierce, Ann Sleight, Andy Smith, Nathan Smith, Sam Smith, Robert W. Storer, Bill Terry, Heather G. Thorpe, H. B. Tordoff, Jeff Tordoff.

338. **Battle Creek, Mich.** (all points within a 15-mile diameter circle, center on Kirby Rd. 1 mile east of Kalamazoo Co. line; Battle Creek to Gull Lake, Wintergreen Lake, W. K. Kellogg Bird Sanctuary, Kellogg Forestry area).—Dec. 31; 7:15 a.m. to 5:30 p.m. Clear to semi-cloudy; temp. 22° to 33°; wind SW, light; 2-3-in. snow, lakes frozen. Three observers in 1 party. Total party-hours, 10¼ (8 on foot, 2¼ by car); total party-miles, 72 (8 on foot, 64 by car). ► Canada Goose, 100; Mallard, 290; Black Duck, 2; **Redhead, 2**; Common Goldeneye, 102; Common Merganser, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Ruffed Grouse, 2; Bobwhite, 12; Ring-necked Pheasant, 2; Ring-billed Gull, 1; Mourning Dove, 3; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 10; Blue Jay, 41; Common Crow, 8; Black-capped Chickadee, 48; Tufted Titmouse, 6; White-breasted Nuthatch, 29; Brown Creeper, 3; Golden-crowned Kinglet, 15; Starling, 74; House Sparrow, 216; Cardinal, 71; Common Redpoll, 3; Am. Goldfinch, 43; Slate-colored Junco, 94; Tree Sparrow, 76; Song Sparrow, 1. **Total,** 33 species; about 1266 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Cedar Waxwing, Brown-headed Cowbird.)—Elmer Dahlman, Clara M. Walkinshaw, Lawrence H. Walkinshaw (compiler).

339. **Bay City, Mich.** (all points within a 15-mile diameter circle, center near Frankenlust since 1954).—Dec. 24; 8 a.m. to 4:30 p.m. Clear; temp. −12° to 20°; wind 0-5 m.p.h.; 1-2-in. snow, river frozen, Saginaw Bay frozen. Thirteen observers in 2 parties. Total party-hours, 17 (6 on foot, 11 by car); total party-miles, 160 (10 on foot, 150 by car). ► Mallard, 1; Black Duck, 1; Common Goldeneye, 6; **Ruddy Duck, 1**; Cooper's Hawk, 2; Red-tailed Hawk, **21**; Rough-legged Hawk, 16; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 245; Herring Gull, 32; Ring-billed Gull, 2; Mourning Dove, 123; Snowy Owl, 3; Yellow-shafted Flicker, 1; Downy Woodpecker, 6; Horned Lark, 21; Blue Jay, 41; Common Crow, 43; Black-capped Chickadee, 7; Tufted Titmouse, 1; White-breasted Nuthatch, 6; Brown Creeper, 2; Starling, 584; House Sparrow, 365; Cardinal, 40; Slate-colored Junco, 2; Tree Sparrow, 111; Swamp Sparrow, 4; Song Sparrow, 3; Snow Bunting, **3759**. **Total,** 32 species; about 5456 individuals.—A. L. Gavit, Rosalyn Gray, Robert Grefe, Milton Irvine, Paula LaVoy, Eugene Kenaga (compiler), Willard F. Rahn, Jack Rogers, Ethel Staudacher, Bruce and Grant Winchell, Dorothy Wolf, Mark Wolf.

340. **Detroit, Mich.** (all points within a 15-mile diameter circle, center at intersection of Big Lake

Road and Ormond Road; farm and pasture 47%, deciduous woods 23%, coniferous woods 10%, lakes, streams 5%, marsh, swamp 10%, suburban village 5%).—Jan. 2; 7:30 a.m. to 4:30 p.m.; temp. 23° to 26°; wind NE, 4 m.p.h.; ground 80% snow-covered. Forty-five observers in 15 parties. Total party-hours, 110 (40 on foot, 70 by car); total party-miles, 781 (700 on foot, 81 by car). ► Canada Goose, 5; Mallard, 13; Black Duck, 33; Common Goldeneye, 5; Cooper's Hawk, 2; Red-tailed Hawk, **31**; Red-shouldered Hawk, 8; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 7; Ruffed Grouse, 12; Bobwhite, 49; Ring-necked Pheasant, 32; Killdeer, 1; Common Snipe, 1; Mourning Dove, 273; Screech Owl, 1; Great Horned Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 198; Horned Lark, 2; Blue Jay, 409; Common Crow, 18; Black-capped Chickadee, 723; Tufted Titmouse, 156; White-breasted Nuthatch, 215; Red-breasted Nuthatch, 6; Brown Creeper, 47; Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 101; Cedar Waxwing, 117; Starling, 658; Myrtle Warbler, 3; House Sparrow, 2994; Eastern Meadowlark, 4; **Common Grackle, 1**; **Brown-headed Cowbird, 8**; Cardinal, 421; Purple Finch, 13; Am. Goldfinch, 925; Slate-colored Junco, 907; Tree Sparrow, 2249; Field Sparrow, 3; **Lincoln's Sparrow, 2** (good study of all field marks—E.C.) [almost unbelievable—Ed.]; Swamp Sparrow, 1; Song Sparrow, 27; Snow Bunting, 50. **Total,** 51 species; about 10,770 individuals.—P. R. Barker, Karl D. Bailey, Helen Blanchet, Peter Brett, Joseph Colter, Katherine Cossey, David Crocket, E. M. Cutler, Myrtle and Lee Diamond, Chris Feeney, Ann and Martin Gabler, Helen Jordan, Edward W. Keith, Alice and Neil Kelley, George Kelly, Becky Kreag, Glenn Kreag, John Kreag, Keith Kreag, Marilyn Kreag, Lawrence and Verna Lenz, John McLean, Mr. and Mrs. L. C. Munn, Oscar B. Noren, Tom Noren, Marion and Everett Norris, Rudolph Olson (compiler), Sergej Postupalsky, Bob Rogers, Lee Rogers, Stephen Sokoloff, William and Glenna Spears, Cliff Stuart, Doris and Gene Trobaugh, Norbert Vogel, James Wilson, Harriet B. Woolfenden (Detroit Audubon Society).

341. Dowagiac, Mich. (all points within a 15-mile diameter circle, center 1 mile south and 1 mile east of Dowagiac; roadside, riverside, creekside, frozen swamps, hardwood woods, cornfields, meadows, plowed fields, villages).—Dec. 29; 8:30 a.m. to 5:30 p.m.; temp. 22° to 33°; wind W, 3-5 m.p.h.; 2-6-in. snow cover in shade. Two observers in 1 party. Total party-hours, 9; total party-miles, 77 (1 on foot, 76 by car). ► Common Goldeneye, 1; Red-tailed Hawk, 5; Sparrow Hawk, 1; Ruffed Grouse, 1; Killdeer, 1; **Common Snipe, 1** (good study); Herring Gull, 1; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 19; Blue Jay, 43; Common Crow, 44; Black-capped Chickadee, 20; Tufted Titmouse, 8; White-breasted Nuthatch, 7; Golden-crowned Kinglet, 1; Starling, 65; House Sparrow, 431; Cardinal, 55; Am. Goldfinch, 3; Slate-colored Junco, 78; Tree Sparrow, 99; **Field Sparrow, 1** (all field marks); Song Sparrow, 9. **Total,** 28 species; about 910 individuals.—Helen Burrell, Letha M. Culver (compiler).

342. Hudsonville, Mich. (all points within a 15-mile diameter circle, center Hudsonville).—Dec. 31; 7:50 a.m. to 5:30 p.m. Bright, cloudy by late p.m.; temp. 25° to 39°; wind SW, 25 m.p.h. Six observers in 2 parties. Total party-hours, 18; total party-miles, 123 (123 by car). ► Mallard, 11; Black Duck, 6; Common Goldeneye, 57; Red-tailed Hawk, 4; Rough-legged Hawk, **23**; Sparrow Hawk, 12; Ring-necked Pheasant, 258; Herring Gull, 14; Mourning Dove, 76; Screech Owl, 1; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 28; Blue Jay, 25; Common Crow, 169; Black-capped Chickadee, 14; Tufted Titmouse, 7; White-breasted Nuthatch, 12; Brown Creeper, 1; Golden-crowned Kinglet, 1; Starling, 500; House Sparrow, 685; Eastern Meadowlark, 7; Cardinal, 18; Am. Goldfinch, 5; Slate-colored Junco, 43; Tree Sparrow, 48; Song Sparrow, 4. **Total,** 32 species; about 2043 individuals. (Seen in area count period, but not on count day: Short-eared Owl.)—Eleanor Burgess, Charlotte Chandler (compiler), Alex Hook, Carol Hook, Mrs. Alex Hook, Mrs. Arlene Sweet.

343. Imlay City, Mich. (all points within a 15-mile diameter circle, center same as preceding 11 years; farms and open pasture 50%, fencerows and brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds, streams 5%, cedar swamps 1%, village and suburbs 1%).—Jan. 2; 8 a.m. to 4:30 p.m. Snowing most of day; temp. 21° to 23°; wind SE, 4 m.p.h.; ground covered with snow, lakes frozen, some streams open. Seventeen observers in 6 parties. Total party-hours, 51 (8 on foot, 43 by car); total party-miles, 254 (31 on foot, 223 by car). ► Black Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, **42**; Rough-legged Hawk, **20**; Marsh Hawk, 3; Sparrow Hawk, 10; Ruffed Grouse, 12; Ring-necked Pheasant, 156; Mourning Dove, 239; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Hairy Woodpecker, 11; Downy Woodpecker, 64; Blue Jay, 58; Common Crow, 46; Black-capped Chickadee, 140; Tufted Titmouse, 10; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 15; Golden-crowned Kinglet, 2; Cedar Waxwing, 252; Northern Shrike, 2; Starling, 667; House Sparrow, 2090; Eastern Meadowlark, 20; Cardinal, 111; Am. Goldfinch, 336; **Rufous-sided Towhee, 1** (at feeder daily); Slate-colored Junco, 173; Tree Sparrow, 619. **Total,** 33 species; about 5137 individuals.—Olive Betcher, Harold Carpenter, Beatrice Gillard, E. W. Gillard, Margaret Gross Griebe, Charlotte Hoadley, Howard Hoadley, Martha A. Lengemann (compiler), Velma Linekar, W. Mason, Alice D. Miller, Bill Mussing, James Smith, Myrtle Terpening, Ann Vanderheide, L. M. Zimmerman, Pearl Zimmerman (Lapeer County Audubon Society).

344. **Kalamazoo, Mich.** (all points within a 15-mile diameter circle, center junction of West Main and Drake Roads as last 12 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water and spring-fed pond 5%).—Dec. 31; 8 a.m. to 5:15 p.m. Clear to cloudy; temp. 24° to 32°; wind SSW, 6-10 m.p.h.; old snow frozen, some patches bare ground. Nineteen observers in 8 parties. Total party-hours, 29 (19 on foot, 10 by car); total party-miles, 211 (30 on foot, 181 by car). ► Great Blue Heron, 1; Mallard, 21; Black Duck, 11; Common Goldeneye, 1; Cooper's Hawk, 3; Red-tailed Hawk, 9; Rough-legged Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 4; Bobwhite, 24; Ring-necked Pheasant, 36; **Killdeer, 3**; Herring Gull, 2; Mourning Dove, 62; Screech Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 33; Blue Jay, 28; Common Crow, 64; Black-capped Chickadee, 68; Tufted Titmouse, 35; White-breasted Nuthatch, 30; Brown Creeper, 3; **Mockingbird, 2**; Robin, 1; **Hermit Thrush, 1**; Golden-crowned Kinglet, 6; Cedar Waxwing, 47; Starling, 516; House Sparrow, 899; **Eastern Meadowlark, 12**; **Redwinged Blackbird, 1**; **Brown-headed Cowbird, 1**; Cardinal, 143; Purple Finch, 2; Am. Goldfinch, 14; Slate-colored Junco, 267; **Oregon Junco, 1**; Tree Sparrow, 210; Song Sparrow, 45. **Total,** 44 species; about 2631 individuals. (Seen in area count period, but not on count day: Lesser Scaup, Common Merganser, **King Rail**, Snowy Owl.)—Helen Burrell, M. and P. Cohen, C. B. and A. Cook, Letha Culver, Ray Deur, Walter Freyburger, Gladys Hall (compiler), J. Kruizenga, Judy Larzelere, Leona Morris, J. and E. Skillman, Johana Smit, Mary Lou Weston, Bill Wichers, Harold and Helen Wiles.

345. **Lansing, Mich.** (all points within a 15-mile diameter circle, center same as in 1959).—Dec. 31; 8 a.m. to 6 p.m. Clear to hazy; temp. 25° to 38°; wind SSW to NE, 3-13 m.p.h. Nine observers in 4 parties. Total party-hours, 84 (63 on foot, 21 by car); total party-miles, 104 (22 on foot, 82 by car). ► Mallard, 5; Black Duck, 145; Common Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Sparrow Hawk, 2; Ring-necked Pheasant, 20; Ring-billed Gull, 1; Mourning Dove, 86; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 4; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 5; Downy Woodpecker, 17; Blue Jay, 36; Common Crow, 28; Black-capped Chickadee, 57; Tufted Titmouse, 16; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 1; Brown Creeper, 7; Robin, 3; Golden-crowned Kinglet, 2; Cedar Waxwing, 1; Northern Shrike, 1; Starling, 127; Myrtle Warbler, 4; House Sparrow, 538; Brown-headed Cowbird, 10; Cardinal, 36; Purple Finch, 1; Am. Goldfinch, 47; Rufous-sided Towhee, 1; Savannah Sparrow, 1 [no details, not underlined as unusual—Ed.]; Slate-colored Junco, 53; Tree Sparrow, 120; White-crowned Sparrow, 1 [no details, not underlined as unusual—Ed.]; Song Sparrow, 4. **Total,** 41 species; about 1423 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Eastern Meadowlark.)—Ormsby and Betty Annan, C. T. Black, Dieter Brunnschweiler, William Freeman, Carl Haussman, Jr., Steve Messenger (compiler), Larry Ryel, G. J. Wallace.

346. **Marquette, Mich.** (all points within a 15-mile diameter circle, center City Hall as in preceding years; shoreline 30%, urban 10%, marsh 10%, mixed forest 25%, open farmlands and golf course 25%).—Jan. 2; 8:30 a.m. to 5 p.m. Snow off and on a.m., some sun p.m.; temp. 15° to 20°; wind W, up to 9 m.p.h.; 6-in. snow cover, upper harbor open, lower harbor partly frozen. Four observers in 1 party. Total party-hours, 8½ (1 on foot, 7½ by car); total party-miles, 72 (1 on foot, 71 by car). ► Common Goldeneye, 45; Ruffed Grouse, 4; Herring Gull, 513; **Pileated Woodpecker, 1**; Hairy Woodpecker, 5; Downy Woodpecker, 4; Blue Jay, 13; Common Raven, 4; Common Crow, 1; Black-capped Chickadee, 36; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 9; Robin, 53; **Bohemian Waxwing, 175** (carefully identified, close study); Cedar Waxwing, 48; Starling, 157; House Sparrow, 68; Cardinal, 1; Purple Finch, 12; Pine Siskin, 2; **Red Crossbill, 6**; White-winged Crossbill, 20; Slate-colored Junco, 12; Tree Sparrow, 31. **Total,** 24 species; about 1222 individuals. (Seen in area count period, but not on count day: Snowy Owl, Golden-crowned Kinglet, Am. Goldfinch.)—Eugene Cole, Richard Gysendorfer, John McCombie, Mrs. Mary Spear Ross (compiler).

347. **Midland, Mich.** (all points within a 15-mile diameter circle, center same since 1955).—Dec. 31; 8 a.m. to 5:15 p.m. Clear to cloudy; temp. 24° to 38°; wind ESE, 0-5 m.p.h.; ground with 2-3-in. snow, ponds frozen, rivers partially open. Twelve observers in 4 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 170 (10 on foot, 160 by car). ► Mallard, 9; Black Duck, 140; **Canvasback, 4**; Common Goldeneye, 68; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; Bobwhite, 8; Ring-necked Pheasant, 72; **Am. Coot, 2**; Mourning Dove, **228**; Hairy Woodpecker, 16; Downy Woodpecker, 36; Horned Lark, 1; Blue Jay, 54; Common Crow, **6000**; Black-capped Chickadee, 145; Tufted Titmouse, 11; White-breasted Nuthatch, 19; Brown Creeper, 4; **Hermit Thrush, 1**; Golden-crowned Kinglet, 2; Cedar Waxwing, 53; Northern Shrike, 1; Starling, 617; House Sparrow, 870; Cardinal, 69; Evening Grosbeak, 1; Purple Finch, 5; Am. Goldfinch, 12; Slate-colored Junco, 84; Tree Sparrow, 404; Song Sparrow, 2; Snow Bunting, 165. **Total,** 38 species; about 9124 individuals.—Delbert L. Burlein, Wendall C. Cross, N. L. Cuthbert, A. L. Gavit, Madeline Gavit, Rosalyn Gray, Robert Grefe, Eugene E. Kenaga (compiler), Jack Rogers, Jr., Bruce Winchell, Dorothy Wolf, Mark Wolf.

348. **Mount Clemens, Mich.** (all points within a 15-mile diameter circle, center same since 1951; area surrounding Anchor Bay, Lake St. Clair from Huron Point to Harsen's Island; open farmland or fields 35%, deciduous second-growth 12%, roadsides 34%,

towns and suburbs 8%, farm buildings 3%, cattail marsh 3%, open water 5%).—Jan. 2; 8:15 a.m. to 4:15 p.m. Partly cloudy; temp. 20° to 30°; light snow on ground, little open water. Five observers in 4 parties. Total party-hours, 32 (2 on foot, 30 by car); total party-miles, 264 (2 on foot, 262 by car). ► Mallard, 21; Black Duck, 31; Canvasback, 12; Common Goldeneye, 36; Hooded Merganser, 3; Common Merganser, 20; Red-breasted Merganser, 4; Red-tailed Hawk, 17; Red-shouldered Hawk, 8; Rough-legged Hawk, 5; Marsh Hawk, 8; Sparrow Hawk, 12; Bobwhite, 24; Ring-necked Pheasant, 97; Herring Gull, 19; Ring-billed Gull, 27; Mourning Dove, 24; Snowy Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 2; Downy Woodpecker, 5; Blue Jay, 37; Common Crow, 127; Black-capped Chickadee, 33; Tufted Titmouse, 6; White-breasted Nuthatch, 6; Brown Creeper, 2; Starling, 318; House Sparrow, 612; Cardinal, 21; Am. Goldfinch, 27; Slate-colored Junco, 45; Tree Sparrow, 351; Swamp Sparrow, 1; Song Sparrow, 5; Snow Bunting, 300. **Total,** 36 species; about 2268 individuals.—Bette Jane Johnston (compiler), Cass Kierblewski, Irene Kierblewski, James Norton, Thelma Sonnenberg.

349. Mount Pleasant, Mich. (all points within a 15-mile diameter circle, center same since 1953; town suburbs 5%, upland deciduous forest 5%, upland coniferous forest 3%, bottomland deciduous forest 30%, bottomland coniferous forest 6%, plowed field 20%, pasture 20%, lakes and millponds 10%, cattail marsh 1%).—Dec. 21; 8 a.m. to 4:30 p.m. Clear most of day; temp. 2° to 20°; wind NW, 0-5 m.p.h.; 1-in. snow on ground, lakes frozen, rivers part open. Fourteen observers in 3 parties. Total party-hours, 26 (12 on foot, 14 by car); total party-miles, 233 (26 on foot, 207 by car). ► Mallard, 204; Black Duck, 17; **scaup (sp.), 1**; Common Goldeneye, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 6; Marsh Hawk, 12; Sparrow Hawk, 4; Ruffed Grouse, 14; Ring-necked Pheasant, 7; Mourning Dove, 69; Screech Owl, 1; Snowy Owl, 1; Belted Kingfisher, 1; **Red-bellied Woodpecker, 1**; Hairy Woodpecker, 12; Downy Woodpecker, 34; Horned Lark, 20; Blue Jay, 35; Common Crow, 16; Black-capped Chickadee, 92; Tufted Titmouse, 8; White-breasted Nuthatch, 27; Brown Creeper, 6; Winter Wren, 1; Golden-crowned Kinglet, 3; **Ruby-crowned Kinglet, 1** (at feeder daily); Starling, 334; House Sparrow, 508; Red-winged Blackbird, 1; Cardinal, 54; Purple Finch, 2; Am. Goldfinch, 69; **Vesper Sparrow, 1** (carefully identified); Slate-colored Junco, 78; Tree Sparrow, 324; Song Sparrow, 9; Lapland Longspur, 25; Snow Bunting, 272. **Total,** 41 species; about 2277 individuals.—Mabel Brasington, Mabel Spruce Cuthbert, Nicholas Cuthbert (compiler), Donald Davis, Irene Jorae, Hudson Keenan, Arnold Koch, Harold Mahan, Florence Maxwell, Jack McMurphy, Margaret Millar, Richard Petersen, David Rocheleau, Gary Schnell (Chippewa Valley Audubon Club).

350. Muskegon, Mich. (all points within a 15-mile diameter circle, center downtown Muskegon, including State Park dunelands along Lake Michigan, shore of Muskegon Lake to channel; lakeshore and channel 50%, business and residential 25%, duneland 15%, riverbottoms 10%).—Dec. 31; 9 a.m. to 6 p.m. High overcast; temp. 36° to 34°; wind NE, 3 m.p.h.; snow on ground. Eleven observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 20 (5 on foot, 15 by car). ►Whistling Swan, 2; Mallard, 4; Black Duck, 328; Gadwall, 20; Canvasback, 3; scaup (sp.), 448; Common Goldeneye, 155; Bufflehead, 14; Ruddy Duck, 2; Common Merganser, 231; Red-breasted Merganser, 6; Ruffed Grouse, 5; Ring-necked Pheasant, 10; **Iceland Gull, 1** (close study—G.W. party); Herring Gull, 539; Snowy Owl, 2; Downy Woodpecker, 5; Blue Jay, 42; Common Crow, 2; Black-capped Chickadee, 18; Tufted Titmouse, 5; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Mockingbird, 1**; **Brown Thrasher, 1**; Cedar Waxwing, 2; Starling, 67; House Sparrow, 186; Cardinal, 29; Purple Finch, 3; Am. Goldfinch, 9; Slate-colored Junco, 32; Tree Sparrow, 19; Song Sparrow, 11. **Total,** 35 species; about 2209 individuals. (Seen in area count period, but not on count day: Snow Bunting.)—Almeda Boulton, Paul and Margaret Elliott (compilers), Nathan Johnson, Harry Lewis, Jr., Brian and Hazel McFarran, Grover Niergarth, August and Mildred Twiest, George Wickstrom (Muskegon County Bird Club).

351. Northville, Mich. (all points within a 15-mile diameter circle, center as last year).—Jan. 2; 9 a.m. to 5 p.m. Partly sunny, snow flurries; temp. 27° to 30°; wind SW, 5 m.p.h. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 53 (3 on foot, 50 by car). ► Canada Goose, 750; Mallard, 250; Black Duck, 150; Common Goldeneye, 4; Cooper's Hawk, 3; Red-tailed Hawk, 3; Rough-legged Hawk, 1; buteo (sp.), 19; Sparrow Hawk, 3; Ruffed Grouse, 2; Ring-necked Pheasant, 5; **Virginia Rail, 1** (in shallow brook, to within 6 ft. of observers); Mourning Dove, 11; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 11; Common Crow, 75; Black-capped Chickadee, 10; Tufted Titmouse, 14; White-breasted Nuthatch, 8; Brown Creeper, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Starling, 800; House Sparrow, 150; Cardinal, 26; Purple Finch, 6; Am. Goldfinch, 2; Slate-colored Junco, 65; Tree Sparrow, 130; Song Sparrow, 3. **Total,** 33 species; about 2538 individuals. (Seen in area count period, but not on count day: Hermit Thrush.)—Harold S. Hartley (compiler), Norman J. Hartley, William Hopkins.

352. Owosso, Mich. (all points within a 15-mile diameter circle, center Owosso as in previous counts).—Dec. 27; 8 a.m. to 5:30 p.m. Clear most of day; temp. 8° to 17°; wind NW, 0-5 m.p.h.; 2-in. snow on ground, river and creeks mostly frozen. Two observers in 1-2 parties. Total party-hours, 9½ (6 on foot, 3½ by car); total party-miles, 75 (5 on foot, 70 by car). ► Common Goldeneye, 5; Red-tailed

Hawk, 4; Ring-necked Pheasant, 7; Mourning Dove, 35; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 8; Common Crow, 3; Black-capped Chickadee, 10; Tufted Titmouse, 8; White-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 2; Starling, 32; **Yellowthroat, 1** (watched for 15 minutes at close range in swamp, no question of identification—B.W.); House Sparrow, 33; Cardinal, 29; Am. Goldfinch, 11; Slate-colored Junco, 20; Tree Sparrow, 67; Song Sparrow, 5; Snow Bunting, 52. **Total,** 24 species; about 359 individuals. (Seen in area count period, but not on count day: **Brown Thrasher**, Cedar Waxwing.)—Bruce V. Wilson (compiler), Douglas E. Wilson.

353. Seney National Wildlife Refuge, Mich. (all points within a 15-mile diameter circle, center 2 miles northwest of Germfask, extending from 1 mile north of Seney to 6 miles south of Germfask, east 5 miles on Route 98 from Germfask, west 1½ miles of the Driggs River; mixed coniferous forest 41%, hardwood forest 8%, bog forest 1%, marsh 30%, agricultural 10%, villages 10%).—Dec. 28; 8 a.m. to 5 p.m. Partly cloudy; temp. 6° to 19°; wind SW, 1-5 m.p.h.; 10-in. snow cover. Two observers in 2 parties. Total party-hours, 18 (5 on foot, 13 by car); total party-miles, 151 (5 on foot, 146 by car). ► Goshawk, 1; Rough-legged Hawk, 1; Ruffed Grouse, 2; Sharp-tailed Grouse, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Gray Jay, 4; Blue Jay, 8; Common Raven, 55; Black-capped Chickadee, 18; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 3; Starling, 12; House Sparrow, 9; Redwinged Blackbird, 1; Pine Grosbeak, 36; Red Crossbill, 10; White-winged Crossbill, 44; Snow Bunting, 49. **Total,** 21 species; about 268 individuals.—George H. Gard (compiler), Jerald J. Wilson.

354. Traverse City, Mich. (all points within a 15-mile diameter circle, center 2 miles south of East Grand Traverse Bay shore on Four Mile Rd. as in 1959; river valley 25%, pine-oak uplands 10%, cedar-spruce-tamarack bog 3%, town edges 7%, roadside and fields 10%, Great Lakes shoreline 45%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy, snow squalls; temp. 21° to 27°; wind NE, 8-12 m.p.h.; ground snow-covered, ponds and ditches frozen, lake open. Thirteen observers in 2 parties. Total party-hours, 12 (5 on foot, 7 by car); total party-miles, 125 (45 on foot, 80 by car). ►Horned Grebe, 6; Mute Swan, **108** (disperse in spring, some nest 50 miles away); Black Duck, 32; scaup (sp.), 135; Common Goldeneye, 125; Bufflehead, 58; Common Merganser, 20; Cooper's Hawk, 2; Ruffed Grouse, 1; Killdeer, 2; **Common Snipe, 1**; Herring Gull, 61; Ring-billed Gull, 9; Mourning Dove, 14; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 25; Blue Jay, 80; Common Crow, 4; Black-capped Chickadee, 98; Tufted Titmouse, 1; White-breasted Nuthatch, 15; Brown Creeper, 12; Golden-crowned Kinglet, 8; Cedar Waxwing, 15; Starling, 67; House Sparrow, 160; Cardinal, 13; Purple Finch, 8; Am. Goldfinch, 36; Red Crossbill, 160; Slate-colored Junco, 36; Tree Sparrow, 35; White-throated Sparrow, 1. **Total,** 34 species; about 1358 individuals. (Seen in area count period, but not on count day: **Pied-billed Grebe,** Snowy Owl, Snow Bunting.)—Mary Edwards (compiler), Ralph Gorton, Irene Jorae, June Mason, Jane Norton, John Norton, Rosella O'Brien, Louise Olman, Edwin Poole, Donna Robinson, Barbara Smith, Eleanor Stevens, Helen Svoboda.

355. Bloomington, Ind. (all points within a 15-mile diameter circle, center same as in 1950 and subsequent years; upland deciduous forest 38%, coniferous forest 10%, bottomland deciduous forest 3%, bottomland grassy and crop field 13%, upland grassy field 6%, bottomland brushy field 20%, fresh-water lake shore 10%).—Dec. 28; 4:15 a.m. to 5 p.m. Cloudy, nearly clear by noon; temp. 20° to 31°; wind N to E, 3-12 m.p.h.; water closed by ice, snow on north slopes; sub-zero preceding week. Twelve observers mostly in 2 parties but combining and separating into other units. Total party-hours, 33 (21 on foot, 11 by car); total party-miles, 192 (21 on foot, 171 by car). ► Mallard, 60; Black Duck, 90; Common Goldeneye, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 6; Marsh Hawk, 3; Sparrow Hawk, 10; Bobwhite, 9; Killdeer, 5; Common Snipe, 2; Mourning Dove, 136; Screech Owl, 2; Great Horned Owl, 8; Barred Owl, 4; Short-eared Owl, 1; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 16; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 35; Blue Jay, 112; Common Crow, 107; Carolina Chickadee, 38; Tufted Titmouse, 24; White-breasted Nuthatch, 12; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 6; Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 3; Starling, 1864; Myrtle Warbler, 3; House Sparrow, 113; Eastern Meadowlark, 80; Redwinged Blackbird, 15; Common Grackle, 124; Brown-headed Cowbird, 65; Cardinal, 103; Purple Finch, 4; Am. Goldfinch, 27; Rufous-sided Towhee, 57; Slate-colored Junco, 252; Tree Sparrow, 174; Field Sparrow, 9; White-throated Sparrow, 3; Swamp Sparrow, 19; Song Sparrow, 74. **Total,** 52 species; about 3764 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Eastern Phoebe, Horned Lark, **Catbird**, Cedar Waxwing, White-crowned Sparrow.)—William R. Adams, Meredith Briggs, Anita Frazier, David G. Frey, Karl Frey, Shelby Gerking, James Gessiman, Clyde E. Goulden, Robert A. Johnson, John M. Miller, Val Nolan, Jr. (compiler), Raymond Schneider.

356. Hanover, Ind. (all points within a 15-mile diameter circle, center Hanover Post Office, including Ohio River; open fields, second growth and mature deciduous forests, riparian woodland, hedgerows, shore, river, small marsh).—Jan. 2; 8 a.m. to 5:45 p.m. Overcast, 2 snow flurries; temp. 30° to 37°; wind S, 2-5 m.p.h.; 4-in. snow on ground. Four observers in 2 parties. Total party-hours, 10 (7½ on foot, 2 by car, ½ by boat); total party-miles, 73 (6 on foot, 65 by car, 2 by boat). ► Mallard, 44;

Black Duck, 25; Wood Duck, 5; Hooded Merganser, 2; Red-tailed Hawk, 1; Marsh Hawk, 1; Killdeer, 2; Ring-billed Gull, 10; Mourning Dove, 45; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 220; Blue Jay, 3; Common Crow, 55; Carolina Chickadee, 15; Tufted Titmouse, 22; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Carolina Wren, 2; Mockingbird, 3; Eastern Bluebird, 5; Starling, 140; Myrtle Warbler, 1; House Sparrow, 8; Eastern Meadowlark, 20; Cardinal, 53; Purple Finch, 27; Am. Goldfinch, 3; Rufous-sided Towhee, 4; Slate-colored Junco, 34; Tree Sparrow, 10; Field Sparrow, 1; White-throated Sparrow, 9; Swamp Sparrow, 2; Song Sparrow, 47. **Total,** 38 species; about 842 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Pileated Woodpecker, Brown Creeper, Loggerhead Shrike, Fox Sparrow.)—Alta Dunlevy, Harlan Hubbard, J. Dan Webster (compiler), Jackson Webster.

357. Indianapolis, Ind. (all points within a 15-mile diameter circle, center same as in previous 3 years; upland deciduous forest 38%, lake front 5%, river and creek borders 31%, suburbs 4%, open farmland 17%, city parks 3%, urban 2%).—Dec. 31; 6:30 a.m. to 8 p.m. Clear a.m., overcast p.m.; temp. 26° to 35°; wind S to SW, 8-10 m.p.h.; ground covered with snow, streams open, reservoir frozen. Fifteen observers in 8 parties. Total party-hours, 47 (18 on foot, 29 by car); total party-miles, 259 (83 on foot, 176 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; Mallard, 121; Black Duck, 220; Mallard × Black Duck hybrid, 1; Green-winged Teal, 4; Am. Widgeon, 2; Ring-necked Duck, 1; Common Goldeneye, 9; Sharp-shinned Hawk, 1; Cooper's Hawk, 7; Red-tailed Hawk, 12; Red-shouldered Hawk, 9; Rough-legged Hawk, 1; Marsh Hawk, 11; Sparrow Hawk, 25; Bobwhite, 24; Killdeer, 4; Mourning Dove, 767; Barn Owl, 1; Barred Owl, 4; Belted Kingfisher, 12; Yellow-shafted Flicker, 64; Pileated Woodpecker, 4; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 23; Yellow-bellied Sapsucker, **15**; Hairy Woodpecker, 8; Downy Woodpecker, 77; Horned Lark, 35; Blue Jay, 151; Common Crow, 315; Carolina Chickadee, 91; Tufted Titmouse, 94; White-breasted Nuthatch, 44; Brown Creeper, 33; Winter Wren, 5; Carolina Wren, 24; Mockingbird, 11; Catbird, 1; Robin, 70; Eastern Bluebird, 15; Golden-crowned Kinglet, 34; Cedar Waxwing, 21; Starling, 1287; Myrtle Warbler, 13; House Sparrow, 790; Eastern Meadowlark, 14; Redwinged Blackbird, 28; Rusty Blackbird, 1; Common Grackle, 17; Brown-headed Cowbird, 1; Cardinal, 468; Purple Finch, 6; Pine Siskin, 1; Am. Goldfinch, 53; Rufous-sided Towhee, 12; Slate-colored Junco, 494; Tree Sparrow, 143; Field Sparrow, 9; White-crowned Sparrow, 36; Song Sparrow, 120. **Total,** 62 species (1 additional hybrid); about 5882 individuals. (Seen in area count period, but not on count day: Canada Goose, Gadwall, White-throated Sparrow.)—Charles Berriman, Robert and William Buskirk, Mildred Campbell, Evelyn Hagemier, Steve Housefield, Douglas Johnston, Charles E. Keller, Charles Marks, Betty Jean Moore, Mrs. Mary Riddle, John M. Satter, Henry C. West (compiler), Dorothy White, Howard F. Wright (Amos W. Butler Audubon Society).

358. Jasper–Pulaski Game Preserve, Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 31; 7:30 a.m. to 4 p.m. Clear to partly cloudy; temp. 28° to 30°; wind S, 6-10 m.p.h.; 1-4-in. snow on ground, ponds frozen, some ditches open. Three observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 38 (6 on foot, 32 by car). ► Canada Goose, 1; Mallard, 900; Black Duck, 66; Pintail, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Ring-necked Pheasant, 10; Mourning Dove, 9; Red-bellied Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 17; Horned Lark, 4; Blue Jay, 87; Common Crow, 55; Black-capped Chickadee, 28; Tufted Titmouse, 2; White-breasted Nuthatch, 9; Brown Creeper, 1; Golden-crowned Kinglet, 18; Cedar Waxwing, 5; Starling, 4; House Sparrow, 300; Rusty Blackbird, 1; Cardinal, 45; Am. Goldfinch, 4; Rufous-sided Towhee, 1; Slate-colored Junco, 235; Tree Sparrow, 315; Swamp Sparrow, 1; Song Sparrow, 5. **Total,** 30 species; about 2136 individuals.—Ted Chandik, Raymond Grow (compiler), Simon Segal.

359. Lafayette, Ind. (all points within a 15-mile diameter circle, center top of 52-bypass hill as in past 14 years; riverbottom 37%, creekbottom 14%, deciduous woods 7%, evergreen woods 4%, low woods and brush 12%, fields 17%, marsh 5%, town 4%).—Dec. 31; 2:45 a.m. to 5:55 p.m. Clear to cloudy by 9 a.m.; temp. 28° to 40°; wind S, 4-12 m.p.h.; up to 8-in. crusted snow, streams mostly frozen. Fifteen observers in 8 parties. Total party-hours, 59 (54 on foot, 5 by car); total party-miles, 103 (62 on foot, 41 by car). ► goose (sp.), 98; Mallard, 15; Black Duck, 5; **Gadwall, 1** (H.J.); Common Goldeneye, **350**; Common Merganser, 11; Cooper's Hawk, 2; Red-tailed Hawk, **24**; Red-shouldered Hawk, 2; **Broad-winged Hawk, 1** (carefully identified—T.B., M.D.); Rough-legged Hawk, **20**; Marsh Hawk, 20; Sparrow Hawk, 15; Bobwhite, 48; Ring-necked Pheasant, 4; Killdeer, 2; Common Snipe, 4; Herring Gull, 2; Mourning Dove, 468; Barn Owl, 2; Screech Owl, 5; Great Horned Owl, 3; Barred Owl, 2; Long-eared Owl, 3; Short-eared Owl, 10; Belted Kingfisher, 14; Yellow-shafted Flicker, 51; Red-bellied Woodpecker, 64; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, **4**; Hairy Woodpecker, 20; Downy Woodpecker, 93; Horned Lark, 125; Blue Jay, 88; Common Crow, 194; Carolina Chickadee, 93; Tufted Titmouse, 95; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 1; Brown Creeper, 63; Winter Wren, 4; Carolina Wren, 42; Mockingbird, 4; Robin, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 6; Cedar Waxwing, **48**; Starling, 7000; Myrtle Warbler, **6**; House Sparrow, 612; Eastern Meadowlark, 47; Redwinged Blackbird, 12; Common Grackle, 2; Brown-headed Cowbird, 7; Cardinal, 178; Purple Finch, 1; Am. Goldfinch, 45; **Vesper Sparrow, 1**; Slate-colored Junco, 227; Tree Sparrow, 415; Field

Sparrow, 71; White-crowned Sparrow, **55**; White-throated Sparrow, 2; Fox Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 146. **Total,** 66 species; about 11,017 individuals. (Seen in area count period, but not on count day: Bufflehead, Rusty Blackbird.)—Irving Burr (compiler), Peter and Terry Burr, Robert Cooksey, Karleton Crain, Marvin DeJonge, Harold Dick, H. D. Jackson, Charles Kirkpatrick, Brad Lane, John Mihalko, Russell Mumford, Anne, Margaret, Merritt Webster.

360. Mary Gray Bird Sanctuary, Ind. (all points within 600 acres of sanctuary near Connersville; deciduous woodlands 60%, fields planted in pines 10%, weed fields 30%).—Dec. 26; 6:25 a.m. to 4:50 p.m. Heavy clouds; temp. 36° to 29°; wind S, 15 m.p.h.; ground with 2-in. snow. Eleven observers in 4 parties. Total party-hours, 37; total party-miles, 26 (all on foot). ► Red-tailed Hawk, 2; Marsh Hawk, 1; Mourning Dove, 12; Barred Owl, 1; Long-eared Owl, 5; Saw-whet Owl, 4; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 14; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 22; Blue Jay, 20; Common Crow, 26; Carolina Chickadee, 43; Tufted Titmouse, 33; White-breasted Nuthatch, 13; Brown Creeper, 5, Winter Wren, 1; Carolina Wren, 4; Mockingbird, 1; Robin, 4; Eastern Bluebird, 12; Golden-crowned Kinglet, 9; Cedar Waxwing, 33; Myrtle Warbler, 5; House Sparrow, 14; Common Grackle, 3; Cardinal, 57; Purple Finch, 2; Am. Goldfinch, 60; Rufous-sided Towhee, 17; Slate-colored Junco, 67; Tree Sparrow, 36; White-throated Sparrow, 2; Song Sparrow, 23. **Total,** 36 species; about 600 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker.)—Edna Banta, Charles Berriman, Robert and William Buskirk, David Kell, Monty Mason, Betty Jean Moore, Jackson and J. Dan Webster, Henry C. West (compiler), Dorothy White.

361. Michigan City, Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 26; 7 a.m. to 4:15 p.m. Overcast, snow flurries; temp. 26° to 32°; wind NW, 10-20 m.p.h.; 2-10-in. snow on ground, water frozen, Lake Michigan open. Nine observers in 4 parties. Total party-hours, 18 (9 on foot, 9 by car); total party-miles, 91 (16 on foot, 75 by car). ► Mallard, 120; Black Duck, 225; Pintail, 5; Redhead, 1; Canvasback, 2; Greater Scaup, 10; Lesser Scaup, 33; Common Goldeneye, 101; Bufflehead, 175; Oldsquaw, 10; Ruddy Duck, 2; Common Merganser, 104; Red-breasted Merganser, 4; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Sparrow Hawk, 2; Bobwhite, 23; Herring Gull, 605; Ring-billed Gull, 114; Mourning Dove, 4; Belted Kingfisher, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 24; Blue Jay, 28; Common Crow, 22; Black-capped Chickadee, 28; Tufted Titmouse, 21; White-breasted Nuthatch, 11; Robin, 1; Starling, 163; House Sparrow, 230; Redwinged Blackbird, 169; Brown-headed Cowbird, 1; Cardinal, 56; Purple Finch, 5; Am. Goldfinch, 13; Slate-colored Junco, 169; **Oregon Junco,** 1 (L.B.); Tree Sparrow, 174; Field Sparrow, 2; White-crowned Sparrow, **20**; Swamp Sparrow, 6; Song Sparrow, 14. **Total,** 45 species; about 2712 individuals.—Laurie Binford, Ted Chandik, Charles Clark, Paul Davis, Raymond Grow (compiler), David Jasnieski, James Landing, Virginia Reutersskiold, Simon Segal.

362. Northern Lake County, Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 24; 7:30 a.m. to 4:15 p.m. Cloudy to clear; temp. 20° to 26°; wind S to W, 5-10 m.p.h.; 4-12-in. snow on ground, water frozen. Four observers in 2 parties. Total party-hours, 9¾ (4 on foot, 5¾ by car); total party-miles, 88 (9 on foot, 79 by car). ► Common Merganser, 6; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 5; **Iceland Gull,** 1 (T.C., R.G.); Herring Gull, 37; Ring-billed Gull, 2234; Mourning Dove, 2; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 4; Blue Jay, 11; Common Crow, 33; Black-capped Chickadee, 1; Tufted Titmouse, 2; Starling, 2500; House Sparrow, 220; Redwinged Blackbird, 29; Common Grackle, 2; Cardinal, 6; Am. Goldfinch, 1; Slate-colored Junco, 28; Tree sparrow, 62; White-crowned Sparrow, 9; White-throated Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 33. **Total,** 28 species; about 5244 individuals.—Ted Chandik, Paul Davis, Raymond Grow (compiler), John Louis.

363. Richmond, Ind. (all points within a 15-mile diameter circle, center 6 miles southwest of city's center; river and stream bottoms 38%, deciduous woods 6%, evergreen woods 2%, fields 35%, grown-over fields 10%, residential 8%, marsh 1%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 43° to 50°; wind WSW, 12-15 m.p.h.; 4-6-in. snow on ground, streams and ponds frozen, river open. Nine observers in 3 parties. Total party-hours, 23 (3 on foot, 20 by car); total party-miles, 76 (10 on foot, 66 by car). ► Great Blue Heron, 1; Red-tailed Hawk, 5; Marsh Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Killdeer, 3; Mourning Dove, 125; Great Horned Owl, 1; Long-eared Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 20; Hairy Woodpecker, 10; Downy Woodpecker, 49; Horned Lark, 292; Blue Jay, 43; Common Crow, 18; Carolina Chickadee, 107; Tufted Titmouse, 93; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 2; Carolina Wren, 26; Mockingbird, 2; Robin, 2; Cedar Waxwing, 8; Starling, 2182; Myrtle Warbler, 11; House Sparrow, 668; Eastern Meadowlark, 56; Common Grackle, 2; Cardinal, 101; Am. Goldfinch, 23; Rufous-sided Towhee, 10; Slate-colored Junco, 174; Tree Sparrow, 161; Field Sparrow, 9; White-crowned Sparrow, 8; Swamp Sparrow, 9; Song Sparrow, 111; Lapland Longspur, 3; Snow Bunting, 1. **Total,** 45 species; about 4423 individuals. (Seen in area count period, but not on count day: Purple Finch.)—James B. Cope (compiler), Duncan Curtis, Eric Curtis, William Dennis, Velma Quinn, Allan

Roberts, C. S. Snow, Mabelle Snow, Gertrude L. Ward.

364. South Bend, Ind. (all points within a 15-mile diameter circle, center corner of Michigan and Washington Streets as in previous counts; deciduous woods 30, marshland 5%, open farmland 30%, open river 20%, cedar and spruce groves 5%, park 10%). —Jan. 2; 7:30 a.m. to 4:30 p.m. Snow, 6-10-inches; temp. 26° to 31°; wind light and variable; river open, lakes frozen, creeks partially open. Twenty-five observers in 5 parties. Total party-hours, 42 (32 on foot, 10 by car); total party-miles, 268 (19 on foot, 249 by car). ► **Pied-billed Grebe, 1**; **Black-crowned Night Heron, 1** (adult well seen); **Canada Goose, 3**; Mallard, 552; Black Duck, 37; Redhead, 2; Canvasback, 1; Lesser Scaup, 2; Common Goldeneye, 406; **Bufflehead, 1**; **Hooded Merganser, 3**; Common Merganser, 93; **Red-breasted Merganser, 1**; Cooper's Hawk, 1; Red-tailed Hawk, **25**; Rough-legged Hawk, 4; Marsh Hawk, 6; Sparrow Hawk, 9; Bobwhite, 22; Ring-necked Pheasant, 14; Am. Coot, 7; **Killdeer, 3**; Herring Gull, 7; Ring-billed Gull, 2; Mourning Dove, 234; Screech Owl, 4; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, **13**; Red-headed Woodpecker, 25; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 18; Downy Woodpecker, 73; Horned Lark, 3; Blue Jay, 224; Common Crow, 3412; Black-capped Chickadee, 18; Tufted Titmouse, 135; White-breasted Nuthatch, 80; Brown Creeper, **17**; Mockingbird, 1; Robin, 1; Golden-crowned Kinglet, 21; Cedar Waxwing, 71; Starling, 1957; House Sparrow, 2162; Eastern Meadowlark, 14; **Common Grackle, 1**; **Brown-headed Cowbird, 1**; Cardinal, 240; Purple Finch, 31; Common Redpoll, 8; Am. Goldfinch, 54; Rufous-sided Towhee, 6; Slate-colored Junco, 636; Tree Sparrow, 514; **White-crowned Sparrow, 3**; Song Sparrow, 68. **Total,** 60 species; about 11,266 individuals.—Kenneth Able, Vi Able, W. M. Able, Dorthy Buck, John Buck, Mirva Dufendach, Russell Dufenbach, Elizabeth Glynn, Martha Hunter, Janet Kochanowski, Mary Madison, Dave Manuwal, Dorothy Meek, James Mitchell, Rosa Mitchell, Jim Mueller, Nancy Rea (compiler), Robert Rea, Scott Rea, Clyde Resseguie, Dorothy Resseguie, Francis Van Huffel, Katherine Van Huffel, Susan Van Huffel, Grace Vary.

365. Southeastern LaPorte County, Ind. (all points within a 15-mile diameter circle, center Section 22 in Union Township as last year; dry marshland 15%, open fields 50%, woods 30%, ditch banks 5%).—Dec. 26; 8 a.m. to 4 p.m. Hazy, overcast, small amount sunshine, snow flurries; temp. 20° to 32°; wind WNW, 5-15 m.p.h.; ground with 2-4-in. crusted snow, water frozen. Thirteen observers in 3 parties. Total party-hours, 24 (10 on foot, 14 by car); total party-miles, 137 (10 on foot, 127 by car). ► Mallard, 124; Black Duck, 4; Common Merganser, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 7; Marsh Hawk, 5; Sparrow Hawk, 3; Ring-necked Pheasant, 3; Herring Gull, 13; Ring-billed Gull, 1; Mourning Dove, 101; Short-eared Owl, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 15; Horned Lark, 120 (20 Northern); Blue Jay, 87; Common Crow, 75; Tufted Titmouse, 26; White-breasted Nuthatch, 5; Robin, 1; Golden-crowned Kinglet, 5; Starling, 358; House Sparrow, 909; Eastern Meadowlark, 9; **Redwinged Blackbird, 2**; Cardinal, 33; Am. Goldfinch, 99; **Vesper Sparrow, 1**; Slate-colored Junco, 480; Tree Sparrow, 505; **White-crowned Sparrow, 1**; Song Sparrow, 44; Lapland Longspur, 21; Snow Bunting, 2. **Total,** 38 species (1 additional race); about 3087 individuals. (Seen in area count period, but not on count day: Screech Owl.)—Kenneth Able, Dorthy Buck (compiler), J. P. Buck, Martha Hunter, Janet Kochanowski, Dave Manuwal, Dorothy Meek, Nancy Rea, Robert V. Rea, Scott Rea, Francis Van Huffel, Katherine Van Huffel, Susan Van Huffel.

366. Southern Lake County, Ind. (all points within a 15-mile diameter circle, center same as in 1956).—Dec. 31; 7 a.m. to 5 p.m. Clear to overcast; temp. 26° to 36°; wind SW, 8-10 m.p.h.; lakes and creeks frozen, 5-in. snow. Four observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 55 (6 on foot, 49 by car). ► Red-tailed Hawk, 1; Rough-legged Hawk, 9; Marsh Hawk, 3; Sparrow Hawk, 3; Bobwhite, 12; Ring-necked Pheasant, 4; Killdeer, 1; Mourning Dove, 25; Great Horned Owl, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 6; Blue Jay, 18; Common Crow, 20; Black-capped Chickadee, 1; Tufted Titmouse, 7; White-breasted Nuthatch, 9; Golden-crowned Kinglet, 8; Starling, 266; House Sparrow, 160; Eastern Meadowlark, 2; Redwinged Blackbird, 1; Common Grackle, 2; Cardinal, 13; Purple Finch, 3; Slate-colored Junco, 90; Tree Sparrow, 19; Song Sparrow, 8. **Total,** 30 species; about 705 individuals. —Carl Krekeler, John Louis (compiler), Beth Mueller, George Pyle.

367. Terre Haute, Ind. (all points within a 15-mile diameter circle, center at Wabash Avenue and 25 St.).—Dec. 27; 7 a.m. to 4 p.m. Clear; temp. 25° to 35°; wind NE, 4 m.p.h. Fourteen observers in 6 parties. Total party-hours, 48 (29 on foot, 19 by car); total party-miles, 246 (28 on foot, 218 by car). ► Common Goldeneye, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 8; Rough-legged Hawk, 2; Marsh Hawk, 14; Sparrow Hawk, 15; Bobwhite, 1; Killdeer, 5; Common Snipe, 2; Mourning Dove, 398; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Pileated Woodpecker, 2; Red-bellied Woodpecker, 68; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 12; Downy Woodpecker, 66; Blue Jay, 202; Common Crow, 99; Carolina Chickadee, 102; Tufted Titmouse, 132; White-breasted Nuthatch, 10; Brown Creeper, 5; Carolina Wren, 17; Mockingbird, 17; Robin, 4; Eastern Bluebird, 14; Golden-crowned

Kinglet, 1; Ruby-crowned Kinglet, 3; Starling, 1507; Myrtle Warbler, 3; House Sparrow, 537; Eastern Meadowlark, 21; Common Grackle, 58; Cardinal, 290; Purple Finch, 1; Am. Goldfinch, 12; Rufous-sided Towhee, 22; Slate-colored Junco, 542; Tree Sparrow, 165; Field Sparrow, 12; White-crowned Sparrow, 31; White-throated Sparrow, 6; Fox Sparrow, 2; Song Sparrow, 131. **Total,** 50 species; about 4614 individuals.—Merrill Carr, Mrs. E. A. Erickson, W. J. Eversole, Mrs. Fred Haughton, Joe Hennen, Mrs. Joe Hennen, William Hopp, Mrs. Homer Kieweg, Mrs. David Koch, Mrs. Edward Malooley, James H. Mason, Mrs. James H. Mason (compiler), Jack Munsee, Mrs. L. E. Sawyer (Wabash Valley Audubon Society).

368. Willow Slough State Game Preserve, Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Jan. 2; 7:45 a.m. to 4 p.m. Overcast to sunny; temp. 28° to 33°; wind E, 1-6 m.p.h.; ground bare, snow in patches, ponds frozen, some ditches open. Three observers in 2 parties. Total party-hours, 8¼ (3¼ on foot, 5 by car); total party-miles, 84 (4 on foot, 80 by car). ► Canada Goose, 1250; Mallard, 7500; Black Duck, 500; Pintail, 2; Canvasback, 2; Common Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 8; Greater Prairie Chicken, 2; Ring-necked Pheasant, 16; Mourning Dove, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 82; Blue Jay, 38; Common Crow, 55; Black-capped Chickadee, 3; Tufted Titmouse, 16; Starling, 545; House Sparrow, 45; Eastern Meadowlark, 7; Redwinged Blackbird, 2; Rusty Blackbird, 35; Cardinal, 54; Am. Goldfinch, 2; Slate-colored Junco, 432; Tree Sparrow, 1137; White-crowned Sparrow, 3; Swamp Sparrow, 7; Song Sparrow, 30. **Total,** 34 species; about 11,797 individuals.—Ted Chandik, Raymond Grow (compiler), Bill Madden.

369. Bird Haven Sanctuary, Ill. (all points within a 15-mile diameter circle, center Bird Haven; deciduous forest 10%, open farmland 90%).—Dec. 26; 6:40 a.m. to 5:05 p.m. Partly cloudy to cloudy; temp. 38° to 32°; wind NW, 5 m.p.h.; creeks partly open, ponds frozen. Eighteen observers in 6 parties. Total party-hours, 38 (16 on foot, 22 by car); total party-miles, 372 (18 on foot, 354 by car). ► Canada Goose, 160; Mallard, 11; Cooper's Hawk, 1; Red-tailed Hawk, 49; Red-shouldered Hawk, 5; Marsh Hawk, 30; Sparrow Hawk, 30; Bobwhite, 23; Mourning Dove, 271; Great Horned Owl, 2; Barred Owl, 5; Yellow-shafted Flicker, 38; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 31; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 46; Horned Lark, 63; Blue Jay, 362; Common Crow, 141; Black-capped Chickadee, 58; Tufted Titmouse, 31; White-breasted Nuthatch, 4; Brown Creeper, 4; Carolina Wren, 1; Mockingbird, 33; **Brown Thrasher, 1** (all month); Robin, 1; Eastern Bluebird, 4; Cedar Waxwing, 5; Loggerhead Shrike, 4; Starling, 683; House Sparrow, 938; Eastern Meadowlark, 292; Redwinged Blackbird, 1; Cardinal, 361; Am. Goldfinch, 12; Rufous-sided Towhee, 13; Slate-colored Junco, 555; Tree Sparrow, 186; Field Sparrow, 27; White-crowned Sparrow, 146; White-throated Sparrow, 1; Song Sparrow, 51. **Total,** 44 species; about 4733 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Ring-necked Pheasant, Greater Prairie Chicken, Killdeer.)—Mr. and Mrs. Arnold Anderson, Vivian Bridges, W. R. Bridges (compiler), Mrs. Minnie Hundley, Roy Lathrop, Mrs. W. E. Redman, Mr. and Mrs. Chester Scherer, Mrs. Vera Scherer Shaw, Richard H. Thom, Ricky Thom.

370. Caseyville, Ill. (all points within a 15-mile diameter circle, center Caseyville).—Dec. 31; 7:30 a.m. to 4:30 p.m. Cloudy; temp. 32° to 36°; wind SW, 6 m.p.h. Twenty-two observers in 4 parties. Total party-hours, 36; total party-miles, 217 (22 on foot, 195 by car). ► Mallard, 25; Goshawk, 1 [no details—Ed.]; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 15; Bobwhite, 41; Ring-billed Gull, 2; Mourning Dove, 51; Great Horned Owl, 3; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 17; Hairy Woodpecker, 4; Downy Woodpecker, 24; Blue Jay, 46; Common Crow, 216; Black-capped Chickadee, 41; Tufted Titmouse, 20; White-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 9; Robin, 12; Eastern Bluebird, 4; Ruby-crowned Kinglet, 2; Cedar Waxwing, 23; Loggerhead Shrike, 2; Starling, 930; House Sparrow, 709; European Tree Sparrow, 1; Eastern Meadowlark, 7; Redwinged Blackbird, 300; Rusty Blackbird, 240; Common Grackle, 1; Brown-headed Cowbird, 50; Cardinal, 114; Rufous-sided Towhee, 1; Slate-colored Junco, 130; Tree Sparrow, 27; Chipping Sparrow, 2; Field Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 2. **Total,** 46 species; about 3123 individuals.—Lucas Wrischnik (compiler), R. Hicks, J. Galbreath, R. H. Rodrian, James Arcynsk, Emma Brittian, Josephine Compton, Ruth Gerardi, Helen Holzer, O. W. Meck Fessel, Frank Molique, Charles Sherrer.

371. Chautauqua National Wildlife Refuge, Ill. (all points within a 15-mile diameter circle, center Refuge Headquarters; deciduous bottomland hardwoods 75%, lakes 20%, towns 5%).—Jan. 2; 7:15 a.m. to 4 p.m. Cloudy; temp. 31° to 40°; no wind; ground snow covered, water areas frozen. Two observers in 1 party. Total party-hours, 8¾ (3¾ on foot, 5 by car); total party-miles, 70 (5 on foot, 65 by car). ► Great Blue Heron, 22; Canada Goose, 20; Snow and Blue Geese, 2200; Mallard, 57,500; Black Duck, 650; Canvasback, 125; Lesser Scaup, 25; Common Goldeneye, 170; Hooded Merganser, 1; Common Merganser, 970; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 9; Marsh Hawk, 6; Sparrow Hawk, 1; Ring-necked Pheasant, 12; Herring Gull, 280; Ring-billed Gull, 560; Mourning Dove, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 2; Blue Jay, 30; Common Crow, 163; Black-capped Chickadee, 15; White-breasted Nut-

hatch, 1; Mockingbird, 2; Robin, 9; Starling, 423; House Sparrow, 635; Common Grackle, 50; Cardinal, 210; Slate-colored Junco, 220; Tree Sparrow, 256; White-crowned Sparrow, 4; Song Sparrow, 6. **Total,** 40 species; about 64,602 individuals.—K. Duane Norman (compiler), Charles W. Watts.

372. Chicago, Ill. (all points within a 15-mile diameter circle, center at Touhy and Lincoln Aves. in Lincolnwood, including all Lakefront and Forest Preserve Districts in area, and Graceland, Rosehill and Memorial Park Cemeteries).—Dec. 31; 7 a.m. to 4:15 p.m. Clear a.m., cloudy p.m.; temp. 28° to 32°; wind SW, 10-15 m.p.h.; 1-in. snow, lake open, harbors mostly closed, river frozen. Thirty-two observers in 7 parties. Total party-hours, 56 (44 on foot, 12 by car); total party-miles, 205 (53 on foot, 152 by car). ► Mallard, 212; Black Duck, 5; **Gadwall, 1**; **Pintail, 3**; **Ring-necked Duck, 6**; **Canvasback, 3**; Greater Scaup, 1; Common Goldeneye, 405; Bufflehead, 1; Oldsquaw, 169; Common Merganser, 364; Red-breasted Merganser, 84; Red-tailed Hawk, **11**; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, **16**; Ring-necked Pheasant, 82; Herring Gull, 971; Ring-billed Gull, 64; Mourning Dove, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 74; Horned Lark, 14; Blue Jay, 13; Common Crow, 143; Black-capped Chickadee, 193; Tufted Titmouse, 4; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 12; Robin, 6; Cedar Waxwing, 3; Northern Shrike, 1; **Loggerhead Shrike, 1** (carefully identified—L.B., P.S.); Starling, 1496; House Sparrow, 1284; Eastern Meadowlark, 10; **Common Grackle, 7**; **Brown-headed Cowbird, 1**; Cardinal, 130; Pine Siskin, 3; Am. Goldfinch, 12; Slate-colored Junco, 165; Tree Sparrow, 42; White-throated Sparrow, 2; Song Sparrow, 14; **Snow Bunting, 2. Total,** 49 species; about 6071 individuals.—Mr. and Mrs. Kenneth Anglemire, Laurence C. Binford, Mr. and Mrs. Fred Brechlin, Mrs. John Buchanan, Daphine Doster, Charles Easterberg, Richard Gordon, Everard Hall, Vera P. Heatley, Mr. and Mrs. John Helmer, Mrs. Walter Huxford, Stanley Hedeen, Emil Malavolti, Mr. and Mrs. Russell Mannette, Helen McMillan, Mrs. Amanda C. Olson, Mrs. Lawrence Nobles, Mrs. J. Norton, Mrs. Louise North, Robert P. Russell, Catherine Schaffer, Mrs. J. Spencer, Ruth Smith, Philip Steffen, James R. Ware (compiler), Mrs. James R. Ware, Helen A. Wilson.

373. Crab Orchard Wildlife Refuge, Ill. (all points with a 15-mile diameter circle, center refuge, including parts of Little Grassy Lake and Devil's Kitchen Lake; fields 15%, shore 30%, swamp woodland 15%, upland 25%, pine plantation 15%).—Dec. 29; 6 a.m. to 3 p.m. Sleet, clearing p.m.; temp. 33° to 44°; wind W, 1-3 m.p.h. Nine observers in 5 parties. Total party-hours, 40 (28 on foot, 12 by car); total party-miles, 140 (15 on foot, 125 by car). ► Double-crested Cormorant, 1; Great Blue Heron, 6; Canada Goose, 20,365 (1 Hutchins'); Mallard, 1156; Black Duck, 377; Pintail, 4; Lesser Scaup, 6; Common Goldeneye, 16; Bufflehead, 3; Hooded Merganser, 20; Common Merganser, 5621; Cooper's Hawk, 1; Red-tailed Hawk, 25; Red-shouldered Hawk, 7; Bald Eagle, 15; Marsh Hawk, 3; Sparrow Hawk, 14; Bobwhite, 40; Am. Coot, 1; Herring Gull, 501; Ring-billed Gull, 5509; Mourning Dove, 14; Screech Owl, 1; Great Horned Owl, 3; Barred Owl, 5; Yellow-shafted Flicker, 35; Pileated Woodpecker, 5; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 25; Blue Jay, 129; Common Crow, 86; Black-capped Chickadee, 109; Tufted Titmouse, 30; White-breasted Nuthatch, 5; Brown Creeper, 8; Carolina Wren, 1; Mockingbird, 59; Eastern Bluebird, 8; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 9; Cedar Waxwing, 3; Loggerhead Shrike, 12; Starling, 591; Myrtle Warbler, 19; House Sparrow, 100; Eastern Meadowlark, 47; Redwinged Blackbird, 9; Brown-headed Cowbird, 2; Cardinal, 230; Rufous-sided Towhee, 3; **Vesper Sparrow, 1**; Slate-colored Junco, 291; Tree Sparrow, 73; Field Sparrow, 11; White-crowned Sparrow, 89; White-throated Sparrow, 20; Song Sparrow, 15. **Total,** 60 species (1 additional race); 35,834 individuals. (Seen in area count period, but not on count day: Horned Lark, Robin, Am. Goldfinch.)—Lee Bush (compiler), W. D. Carter, David Davis, Paul Ferguson, Ben Gelman, Robert Rice, Larry Sheffield, Harry Stiles, Jack Toll.

374. Decatur, Ill. (all points within a 15-mile diameter circle, center same since 1952; weeds and thickets 20%, water 20%, river bottomlands 15%, evergreens 15%, open country 15%, shore 10%, marsh 5%).—Dec. 31; 5 a.m. to 5 p.m. Overcast; temp. 28° to 38°; wind W, 5-10 m.p.h.; 3-5-in. snow on ground, water mostly frozen. Eight observers in 4 parties. Total party-hours, 30 (16 on foot, 14 by car); total party-miles, 282 (32 on foot, 250 by car). ► **Pied-billed Grebe, 1** (all field marks—R.S.); Canada Goose, 18; Mallard, 715; Black Duck, 350; Pintail, 1; Green-winged Teal, 2; Am. Widgeon, 2; Ring-necked Duck, 1; Common Goldeneye, 60; Bufflehead, 1; Common Merganser, 49; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 9; Bobwhite, 20; Ring-necked Pheasant, 2; Am. Coot, 1; Killdeer, 1; Herring Gull, 6; Ring-billed Gull, 4; Mourning Dove, 7; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 27; Red-bellied Woodpecker, 48; Red-headed Woodpecker, 9; Hairy Woodpecker, 14; Downy Woodpecker, 75; Horned Lark, 25; Blue Jay, 90; Common Crow, 296; Black-capped Chickadee, 69; Tufted Titmouse, 58; White-breasted Nuthatch, 18; Brown Creeper, 6; **Bewick's Wren, 1** (at feeder since mid-Dec.); Carolina Wren, 12; Mockingbird, 15; Robin, 4; Golden-crowned Kinglet, 7; Cedar Waxwing, 5; Starling, 672; House Sparrow, 650; Cardinal, 127; Am. Goldfinch, 28; **Red Crossbill, 11** (since mid-Dec.); Slate-colored Junco, 284; Tree Sparrow, 158; Field Sparrow, 2; White-crowned Sparrow, 15; White-throated Sparrow, 2; Swamp Sparrow, 25; Song Sparrow, 96. **Total,** 59 species; about 4138 indi-

viduals. (Seen in area count period, but not on count day: Great Blue Heron, Lesser Scaup, **Oldsquaw, Harlan's Hawk,** Winter Wren, Common Grackle, Purple Finch.)—Mrs. Ralph Allan, Edward Billings, Dean B. Gorham, Mr. and Mrs. Frank Irwin, Mr. and Mrs. Turner Nearing, Richard Sandburg (compiler).

375. **Elsah, Ill.** (all points within a 15-mile diameter circle, center same as previous years).—Jan. 2; 7:30 a.m. to 4:30 p.m. Overcast; temp. 28° to 38°; wind E, 4-5 m.p.h. Eight observers in 3 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 30 (6 on foot, 24 by car). ► Common Loon, 1; Great Blue Heron, 1; Mallard, 26; Lesser Scaup, 42; Common Goldeneye, 86; Red-tailed Hawk, 2; Bald Eagle, 4; Sparrow Hawk, 1; Bobwhite, 17; Herring Gull, 420; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Pileated Woodpecker, 2; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 16; Downy Woodpecker, 22; Blue Jay, 18; Common Crow, 200; Black-capped Chickadee, 16; Tufted Titmouse, 34; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 1; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 2; Brown Thrasher, 1; Robin, 7; Eastern Bluebird, 9; Cedar Waxwing, 40; Starling, 16; House Sparrow, 60; European Tree Sparrow, 2; Eastern Meadowlark, 3; Common Grackle, 3; Cardinal, 42; Purple Finch, 3; Am. Goldfinch, 8; Rufous-sided Towhee, 1; Slate-colored Junco, 40; Tree Sparrow, 40; Fox Sparrow, 3; Song Sparrow, 1. **Total,** 46 species; about 1233 individuals.—Robert Andrews, Mrs. Vivian Burnett, Dr. and Mrs. G. B. Happ, Percilla Harmon, Paul Kilburn, Ray Ratz, John Wanamaker (compiler).

376. **Joliet, Ill.** (all points within a 15-mile diameter circle, center intersection of Routes 6 and 66).—Dec. 28; 7 a.m. to 4:20 p.m. Partly sunny; temp. 20° to 32°; wind variable, 3-5 m.p.h.; rivers open, 2-4-in. snow cover. Nine observers in 2 parties. Total party-hours, 19 (7 on foot, 12 by car); total party-miles, 70 (7 on foot, 63 by car). ► Mallard, 1000; Black Duck, 200; Pintail, 3; Redhead, 1; Canvasback, 2; Lesser Scaup, 5; Common Goldeneye, 150; Ruddy Duck, 5; Hooded Merganser, 4; Common Merganser, 300; Red-breasted Merganser, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Rough-legged Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 33; Herring Gull, 1; Ring-billed Gull, 30; Mourning Dove, 2; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 29; Horned Lark, 50; Blue Jay, 1; Common Crow, 27; Black-capped Chickadee, 13; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Brown Creeper, 4; Starling, 320; House Sparrow, 300; Eastern Meadowlark, 14; Redwinged Blackbird, 1; Cardinal, 32; Am. Goldfinch, 1; Slate-colored Junco, 55; Tree Sparrow, 18; Song Sparrow, 6. **Total,** 41 species; about 2650 individuals. (Seen in area count period, but not on count day: Robin, White-throated Sparrow.)—Karl Bartel, Mrs. E. D. Collins, Gayle Hufford, W. L. Hughes, Fr. Reinhold Link, Hilda McIntosh, Clarence D. Stallman (compiler), Mrs. J. B. Wallin, George Woodruff.

377. **Morton Arboretum, Lisle, Ill.** (all points within a 15-mile diameter circle, center at 75th St. and Cass Ave., including Morton Arboretum, Saganashkee Slough and forest preserve to north, Bemis Woods forest preserve; semi-open area 15%, open fields and farmland 10%, oak woods 35%, pine and spruce stands 30%, riverbottom 10%).—Dec. 26; 7:30 a.m. to 4:15 p.m. Snow flurries a.m., clearing p.m.; temp. 33° to 20°; wind N, 15-20 m.p.h.; 2-4-in. partly crusted snow, streams frozen. Twenty-eight observers in 7 parties. Total party-hours, 46 (32 on foot, 14 by car); total party-miles, 132 (43 on foot, 89 by car). ► Mallard, 17; Red-tailed Hawk, 22; Rough-legged Hawk, 2; Sparrow Hawk, 9; Ring-necked Pheasant, 22; Herring Gull, 70; Ring-billed Gull, 45; Mourning Dove, 8; Screech Owl, 1; Great Horned Owl, 2; Long-eared Owl, 3; Saw-whet Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 65; Horned Lark, 113; Blue Jay, 16; Common Crow, 342; Black-capped Chickadee, 169; Tufted Titmouse, 25; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 3; Brown Creeper, 14; Carolina Wren, 1; Robin, 8; Golden-crowned Kinglet, 13; Cedar Waxwing, 10; Starling, 337; House Sparrow, 626; Eastern Meadowlark, 21; Redwinged Blackbird, 152; Cardinal, 91; Purple Finch, 40; Pine Siskin, 103; Am. Goldfinch, 27; Red Crossbill, **66**; Slate-colored Junco, 309; **Oregon Junco, 2** (well marked adults); Tree Sparrow, 470; **White-crowned Sparrow, 1** (5 weeks); White-throated Sparrow, 2; Swamp Sparrow, 4; Song Sparrow, 19; **McCown's Longspur, 20** (with Lapland at 20 ft.); Lapland Longspur, 40; Snow Bunting, 50. **Total,** 47 species; about 3380 individuals.—Bertha Bannert, Karl E. Bartel, Mrs. Reba S. Campbell, Rheba Campbell, Peter Dring, Ed Hall, Vera Heatley, Richard Hoger, Mrs. Richard Hoger, Ed Johnson, Jane Kumb, Emil Malavolti, Margaret C. Lehmann (compiler), Carl McKnight, Claire McKnight, Raymond Mostek, Amanda C. Olson, Alfred Reuss, Catherine Schaffer, Paul Schulze, Margaret Smith, Isabel B. Wasson, Charles Westcott, Carl Wilm, Kenneth Wilz, Donald Wyman, Howard E. Wyman, Pamela Wyman.

378. **Pere Marquette State Park, Ill.** (all points within a 15-mile diameter circle, center 5 miles west of Grafton, including both sides of Illinois River, Swan Lake Refuge area).—Dec. 26; 8 a.m. to 4 p.m. Heavy overcast; temp. 32° to 30°; wind W, 15 m.p.h. Eighteen observers in 1-3 parties. Total party-hours, 20 (6 on foot, 14 by car); total party-miles, 35 (5 on foot, 30 by car). ► Great Blue Heron, 3; Canada Goose, 1000; Snow Goose, 2000; Blue Goose, 4000; Mallard, 10,000; Gadwall, 2; Ring-necked Duck, 200; Canvasback, 300; Lesser Scaup, 100; Common Goldeneye, 200; Common Merganser, 50; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Bald Eagle, 25; Marsh Hawk, 7; Sparrow Hawk, 6; Herring Gull, 2; Ring-billed Gull, 25; Mourning Dove, 2; Yellow-shafted

Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 50; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 25; Common Crow, 3000; Black-capped Chickadee, 20; Tufted Titmouse, 15; White-breasted Nuthatch, 8; Brown Creeper, 2; Mockingbird, 6; Eastern Bluebird, 8; Golden-crowned Kinglet, 2; Northern Shrike, 4; Starling, 1500; House Sparrow, 1000; Eastern Meadowlark, 6; Cardinal, 25; Vesper Sparrow, 1; Slate-colored Junco, 150; Tree Sparrow, 15; White-crowned Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 10. **Total,** 45 species; about 23,837 individuals. —Earl H. Hath, C. Stanley Hunter, O. C. K. Hutchinson (compiler), Erwin E. Kiggs, Ronald Kiggs, Bertha H. Massie, Joel Massie, Lynn Shaefer, Mildred Shaefer.

379. Princeton, Ill. (all points within a 15-mile diameter circle, center at Bureau Junction, including Bureau Creek, Old Red Mill Road, Thomas and Callinan Woods, Illinois River Area, Hennepin Pike Road, Tiskilwa Area; town 10%, farm 20%, highway 20%, woods 25%, river 25%).—Dec. 29; 7 a.m. to 5 p.m.; temp. 20° to 24°; wind SW, 3-8 m.p.h.; 2-in. old snow, streams open. Twelve observers in 4 parties. Total party-hours, 68 (8 on foot, 60 by car); total party-miles, 212 (12 on foot, 200 by car). ► Great Blue Heron, 3; Mallard, 7000; Red-tailed Hawk, 25; Red-shouldered Hawk, 4; Rough-legged Hawk, 4; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 11; Ring-necked Pheasant, 7; Herring Gull, 8; Mourning Dove, 38; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 52; Blue Jay, 19; Common Crow, 86; Black-capped Chickadee, 240; Tufted Titmouse, 51; White-breasted Nuthatch, 57; Red-breasted Nuthatch, 1; Brown Creeper, 1; Eastern Bluebird, 3; Cedar Waxwing, 1; Loggerhead Shrike, 1; Starling, 6010; House Sparrow, 1030; Eastern Meadowlark, 21; Rusty Blackbird, 6; Common Grackle, 25; Cardinal, 131; Am. Goldfinch, 62; Slate-colored Junco, 256; **Oregon Junco, 2**; Tree Sparrow, 308; Field Sparrow, 8; White-crowned Sparrow, 2; White-throated Sparrow, 2; Song Sparrow, 8. **Total,** 42 species; about 15,533 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Barred Owl.)—Hazel Boyle, Orville Cater, Vinnie Dyke, Donnabelle Fry, J. D. Hawks, Peggie Kramer, Carl H. Kramer (compiler), Ellis Rudiger, Vern Rudiger, Ruth Skinner, Mary Smith, Harry G. Thomas (Bureau Valley Audubon Society).

380. Rockford, Ill. (all points within a 15-mile diameter circle, center in Owen Township as in previous years).—Dec. 26; 7 a.m. to 5 p.m. Snow until mid-morn, then clear; temp. 20° to 35°; wind NE, 5-15 m.p.h. Twenty-four observers in 9 parties. Total party-hours, 64 (29 on foot, 35 by car); total party miles, 600 (44 on foot, 556 by car). ► Great Blue Heron, 1; Mallard, 146; Common Goldeneye, 15; Bufflehead, 1; **Oldsquaw, 1**; Cooper's Hawk, 4; Red-tailed Hawk, **69**; Red-shouldered Hawk, 7; Rough-legged Hawk, **39**; Marsh Hawk, 4; Sparrow Hawk, 11; Ring-necked Pheasant, 16; Am. Coot, 1; Common Snipe, 1; Herring Gull, 2; Ring-billed Gull, 3; Mourning Dove, 29; Great Horned Owl, 5; Barred Owl, 6; Long-eared Owl, **38**; Short-eared Owl, 1; Yellow-shafted Flicker, **40**; Red-bellied Woodpecker, 17; Hairy Woodpecker, 26; Downy Woodpecker, 74; Horned Lark, 82; Blue Jay, 34; Common Crow, 1895; Black-capped Chickadee, 241; Tufted Titmouse, 41; White-breasted Nuthatch, 72; Red-breasted Nuthatch, 2; Brown Creeper, 22; Carolina Wren, 1; Robin, 2; Golden-crowned Kinglet, 5; Starling, 1500; House Sparrow, 1346; Western Meadowlark, 12; Redwinged Blackbird, 5; Rusty Blackbird, 54; Common Grackle, 1; Cardinal, 102; Purple Finch, 7; Am. Goldfinch, 16; Red Crossbill, 28; Slate-colored Junco, 400; Tree Sparrow, 618; Chipping Sparrow, 3 [no details—Ed.]; Field Sparrow, 1; White-crowned Sparrow, 2; White-throated Sparrow, 1; Fox Sparrow, 3; Swamp Sparrow, 11; Song Sparrow, 25; Lapland Longspur, 15. **Total,** 56 species; about 7104 individuals.—Harold Bennett, Kathryn Bennett, Donald Bennett, Phil Doerr, Sherman Ehlert (compiler), Lee Johnson, Betty Johnson, Milton Mahlburg, Susan Mahlburg, Don Prentice, Darrell Stombaugh (North Central Illinois Ornithological Society).

381. Springfield, Ill. (all points within a 15-mile diameter circle, center city square, including Lake Springfield, Clear Lake, Oak Ridge Cemetery, Carpenter's Park, Winch's Lane, Chatham Flats, Sangamon River; water 5%, riverbottom 15%, river bluffs 5%, pasture 20%, plowland 40%, city parks 15%).—Dec. 26; 7:30 a.m. to 5 p.m. Overcast, some snow flurries; temp. 32° to 33°; wind N, 15 m.p.h.; snow on ground, lakes 95% frozen, river open. Twenty observers in 6 parties. Total party-hours, 39 (13 on foot, 26 by car); total party-miles, 307 (15 on foot, 292 by car). ► Great Blue Heron, 1; Mallard, 518; Black Duck, 50; Wood Duck, 1; Canvasback, 1; Common Goldeneye, 30; Bufflehead, 1; Common Merganser, 20; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 15; Bobwhite, 19; Am. Coot, 8; Herring Gull, 3; Ring-billed Gull, 66; Mourning Dove, 77; Great Horned Owl, 1; Barred Owl, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 115; Pileated Woodpecker, 2; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 46; Horned Lark, 83; Blue Jay, 124; Common Crow, 184; Black-capped Chickadee, 118; Tufted Titmouse, 77; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 8; Brown Thrasher, 3; Eastern Bluebird, 11; Golden-crowned Kinglet, 5; Loggerhead Shrike, 3; Starling, 1700; House Sparrow, 1100; Eastern Meadowlark, 2; Redwinged Blackbird, 8; Brewer's Blackbird, 1; Common Grackle, 4; Cardinal, 172; Am. Goldfinch, 40; Slate-colored Junco, 210; Tree Sparrow, 71; Field Sparrow, 1; White-crowned Sparrow, 8; White-throated Sparrow, 2; Song Sparrow, 49. **Total,** 58 species; about 5050 individuals.—Dr. and Mrs. Richard Allyn, Erma Bixler, Mina Bixler, Gladys Coffin, Maurice Cook,

Tom Crabtree, Armina S. Farrar, Vernon Greening, Lois Hogan, Ellen Hopkins, Katie Hamrick, Lena Hardbarger, Al Kaszynski, Emma Leonhard, R. C. Mulvey, William O'Brien, W. A. Sausaman (compiler), Daisy Thompson, Richard Ware (Springfield Audubon Society).

382. Urbana–Champaign, Ill. (all points within a 15-mile diameter circle, centered to include Sangamon River near White Heath, Lake-of-the-Woods, Trelease Woods, intervening farmlands; woods 25%, forest-edge 35%, open country 40%).—Dec. 31; 8 a.m. to 4 p.m. Overcast; temp. 28° to 43°; wind mild; ground covered with snow. Thirteen observers in 4 parties. Total party-hours, 25 (15 on foot, 10 by car); total party-miles, 108 (18 on foot, 90 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 2; Rough-legged Hawk, 15; Marsh Hawk, 7; Sparrow Hawk, 6; Bobwhite, 9; Ring-necked Pheasant, 56; Mourning Dove, 126; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 22; Red-headed Woodpecker, 5; Hairy Woodpecker, 11; Downy Woodpecker, 34; Horned Lark, 33; Blue Jay, 30; Common Crow, 120; Black-capped Chickadee, 49; Tufted Titmouse, 42; White-breasted Nuthatch, 17; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 4; Mockingbird, 2; Robin, 1; Eastern Bluebird, 10; Loggerhead Shrike, 1; Starling, 1055; House Sparrow, 920; Eastern Meadowlark, 12; Common Grackle, 2; Brown-headed Cowbird, 2; Cardinal, 22; Purple Finch, 1; Am. Goldfinch, 1; Slate-colored Junco, 30; Tree Sparrow, 55; White-crowned Sparrow, 19; Swamp Sparrow, 3; Song Sparrow, 18; Lapland Longspur, 1. **Total,** 43 species; about 2784 individuals.—R. W. Armstrong, R. B. Bates, O. K. Bower, Lois Drury, Leonard Erickson, Jean W. Graber, Richard R. Graber, Katie Hamrick, J. Kastelic, S. C. Kendeigh (compiler), Carl S. Marvel, Fred Sargent, W. W. Wohlfarth.

383. Waukegan, Ill. (all points within a 15-mile diameter circle, center at intersection of Routes 120 and 131; Waukegan Harbor, lake front, woods and fields north of Waukegan, pines of Illinois Beach State Park, Public Service cooling pond, St. Mary's of the Lake Seminary woods; lake edge 60%, evergreens 10%, open fields 15%, inland lakes and creeks 15%).—Jan. 1; 8 a.m. to 4:30 p.m. Cloudy, clearing late in day, some snow flurries; temp. 26° to 28°; wind NW, 10-15 m.p.h.; ground with 1-in. snow, lake front open, small ponds and streams frozen. Eighteen observers in 2 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 38 (8 on foot, 30 by car). ► Pied-billed Grebe, 1; **Mute Swan, 1** (free flying, wild); Mallard, 8; Am. Widgeon, 1; **hybrid mallard-widgeon, 2**; Redhead, 1; Canvasback, 26; Greater Scaup, 76; Lesser Scaup, 101; Common Goldeneye, 329; Bufflehead, 10; Oldsquaw, 110; Common Merganser, 70; Red-breasted Merganser, 29; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Sparrow Hawk, 2; Am. Coot, 7; **Purple Sandpiper, 1** (close—9 observers); Herring Gull, 190; Ring-billed Gull, 10; Short-eared Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 9; Common Crow, **10,000** (roost); Black-capped Chickadee, 10; White-breasted Nuthatch, 2; Brown Creeper, 1; Starling, 104; House Sparrow, 12; Cardinal, 8; Pine Siskin, 16; Am. Goldfinch, 8; **Vesper Sparrow, 1**; Slate-colored Junco, 51; Tree Sparrow, 229; Swamp Sparrow, 8; Song Sparrow, 9; Snow Bunting, 125+. **Total,** 41 species; about 11,588 individuals. (Seen in area count period, but not on count day: Winter Wren.)—Amy Baldwin, Bertha Bannert, Karl E. Bartel, Mrs. Reba S. Campbell, Rheba Campbell, Richard Gordon, Ed Hall, Vera Heatley, Stan Hedeen, Bertha Huxford, Margaret C. Lehmann (compiler), Bob Russell, Catherine Schaffer, Paul Schulze, Jim Ware, Charles Westcott, Helen Wilson, Janet Zimmermann.

384. Western Mercer County, Ill. (all points within a 15-mile diameter circle, center same as last year).—Jan. 2; 6:30 a.m. to 5:30 p.m. Light snow until 9:30 a.m., then clear until noon; temp. 24° to 33°; wind NW, 5-8 m.p.h. Twelve observers in 8 parties. Total party-hours, 33 (11 on foot, 22 by car); total party-miles, 316 (14 on foot, 302 by car). ► Great Blue Heron, 1; Mallard, 350; Black Duck, 2; Lesser Scaup, 1; Common Goldeneye, 5; Common Merganser, 8; **Turkey Vulture, 1** (Greer party); Cooper's Hawk, 1; Red-tailed Hawk, 39; Red-shouldered Hawk, 8; **Broad-winged Hawk, 1** (carefully—Greer party); Rough-legged Hawk, 8; Bald Eagle, 15; Marsh Hawk, 7; Sparrow Hawk, 6; Bobwhite, 9; Ring-necked Pheasant, 2; Mourning Dove, 168; Screech Owl, 2; Great Horned Owl, 9; Barred Owl, 6; Long-eared Owl, 3; Short-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; Pileated Woodpecker, 9; Red-bellied Woodpecker, 41; Red-headed Woodpecker, 4; **Yellow-bellied Sapsucker, 1** (close study); Hairy Woodpecker, 17; Downy Woodpecker, 60; Horned Lark, 45; Blue Jay, 57; Common Crow, 1395; Black-capped Chickadee, 99; Tufted Titmouse, 40; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 1; Brown Creeper, **14**; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Robin, 2; Golden-crowned Kinglet, 15; Cedar Waxwing, 4; Northern Shrike, 1; Loggerhead Shrike, 3; Starling, 463; House Sparrow, 1205; Eastern Meadowlark, 1; Redwinged Blackbird, 50; Cardinal, 252; Purple Finch, 2; Am. Goldfinch, 46; Slate-colored Junco, 231; Tree Sparrow, 800; **Field Sparrow, 1**; White-crowned Sparrow, **39** (in multiflora-rose hedge all month); Swamp Sparrow, 7; Song Sparrow, 26. **Total,** 60 species; about 5659 individuals. (Seen in area count period, but not on count day: Canada Goose, Sharp-shinned Hawk, Common Snipe, Herring Gull, Ring-billed Gull, Common Grackle, Brown-headed Cowbird, Lapland Longspur.)—Wendell Bergstrom, Lewis Blevins, James Brokaw, Elton Fawks, May Greer, Richard Greer, Theodore Greer, Robert Meyers, Merle Norris, Peter Petersen, Jr., Marjie Trial, Robert Trial (compiler).

385. Alma, Wis. (all points within a 15-mile diameter circle, center 5 miles east of Alma, including territory east of Mississippi River, Alma, Cochrane,

Buffalo City, Czechville, Waumandee, Cream, Montana; towns 5%, riverbottom deciduous forest and swamps 30%, coulees and hills 30%, open farms and roadsides 30%, open river 5%).—Jan. 2; 8 a.m. to 5 p.m. Mostly clear, occasional snow; temp. 15° to 22°; wind W to NW, 5 m.p.h.; light snow on ground, only spring-fed ponds and river below dams open. Six observers in 2 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 178 (10 on foot, 168 by car). ► Mallard, 6; Black Duck, 1; Common Goldeneye, 15; Common Merganser, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 1; Barred Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 13; Hairy Woodpecker, 8; Downy Woodpecker, 21; Blue Jay, 72; **Common Raven, 1**; Common Crow, 18; Black-capped Chickadee, 40; White-breasted Nuthatch, 49; Brown Creeper, 2; Robin, 1; Golden-crowned Kinglet, 4; Cedar Waxwing, 81; Starling, 230; House Sparrow, **1409**; Cardinal, 64; Am. Goldfinch, 45; Slate-colored Junco, 103; Tree Sparrow, 73; Snow Bunting, **1200**. **Total,** 29 species; about 3472 individuals.—Charles A. Kemper (compiler), Jon C. Kemper, Clarence Kube, Elaine Miller, Ed and Neva Reifenauer.

386. Appleton, Wis. (all points within a 15-mile diameter circle, center Appleton).—Dec. 26; 7 a.m. to 5 p.m.; temp. 20° to 22°; wind NW, 5-13 m.p.h.; trace of snow, some open water. Five observers in 2 parties. Total party-hours, 16 (5 on foot, 11 by car); total party-miles, 157 (6 on foot, 151 by car). ► **Black-crowned Night Heron, 1**; Mallard, 9; Black Duck, 324; Canvasback, 2; Common Goldeneye, 224; Common Merganser, 9; Red-tailed Hawk, 9; Rough-legged Hawk, 6; Marsh Hawk, 4; Pigeon Hawk, 1 [no details—Ed.]; Sparrow Hawk, 3; Ring-necked Pheasant, 2; Herring Gull, 4; Mourning Dove, 19; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 7; Horned Lark, 36; Blue Jay, 17; Common Crow, 21; Black-capped Chickadee, 6; Tufted Titmouse, 3; White-breasted Nuthatch, 7; Brown Creeper, 7; Robin, 1; Golden-crowned Kinglet, 1; Northern Shrike, 1; Starling, 207; House Sparrow, 631; Brewer's Blackbird, 1; Common Grackle, 1; Cardinal, 8; Am. Goldfinch, 1; Red Crossbill, 20; Slate-colored Junco, 26; Tree Sparrow, 167; Song Sparrow, 1; Lapland Longspur, 450; Snow Bunting, 86. **Total,** 39 species; about 2329 individuals.—John Green, Mrs. R. Lipske, John Teeple, Daryl Tessen, Mrs. J. Tibbitts, Mrs. C. W. Coffin (compiler).

387. Beloit, Wis. (all points within a 15-mile diameter circle, center same as 1959).—Dec. 26; 7 a.m. to 4:30 p.m. Overcast, snow flurries; temp. 26° to 28°; wind NNE, 10-18 m.p.h. Twenty-eight observers in 10 parties. Total party-hours, 77 (12 on foot, 65 by car); total party-miles, 547 (18 on foot, 529 by car). ► Canada Goose, 1; Mallard, 161; Common Goldeneye, 7; Cooper's Hawk, 1; Red-tailed Hawk, 23; Rough-legged Hawk, **28**; Marsh Hawk, 5; Sparrow Hawk, 10; Ring-necked Pheasant, 7; Herring Gull, 33; Ring-billed Gull, 5; Mourning Dove, 275; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Red-bellied Woodpecker, 5; Hairy Woodpecker, 13; Downy Woodpecker, 29; Horned Lark, 4; Blue Jay, 22; Common Crow, 5986; Black-capped Chickadee, 46; Tufted Titmouse, 16; White-breasted Nuthatch, 14; Brown Creeper, 1; Golden-crowned Kinglet, 2; Northern Shrike, 1; Starling, 1411; House Sparrow, 2702; meadowlark (sp.), 10; Redwinged Blackbird, 110; Cardinal, 55; Purple Finch, 5; Am. Goldfinch, 140; Slate-colored Junco, 460; Tree Sparrow, 762; Song Sparrow, 10; Snow Bunting, 95. **Total,** 38 species; about 12,459 individuals. [Vesper Sparrow, 1; Chipping Sparrow, 10; Field Sparrow, 8; White-crowned Sparrow, 6 with no details and not even underlined as unusual removed from list—Ed.]—David J. Cox (compiler).

388. Boulder Junction, Wis. (all points within a 15-mile diameter circle, center Boulder Junction; northern coniferous and deciduous forests 99%, built-up areas 1%).—Dec. 31; 7:30 a.m. to 4 p.m. Overcast, light snow a.m., clear p.m.; temp. 10° to 18°; wind NE, 0-5 m.p.h.; 5-in. snow on ground, few streams open. Three observers in 1 party. Total party-hours, 8½ (2 on foot, 6½ by car); total party-miles, 90 (2 on foot, 88 by car). ► hawk (sp.), 1; Ruffed Grouse, 1; Hairy Woodpecker, 1; Gray Jay, 2; Blue Jay, 7; Common Raven, 16; Black-capped Chickadee, 44; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Northern Shrike, 1; Starling, 12; Purple Finch, 1; **Pine Siskin, 169**; **Am. Goldfinch, 75** (within 20 ft.); Red Crossbill, 42; White-winged Crossbill, 34. **Total,** 16 species; about 408 individuals.—Nils P. Dahlstrand (compiler), Paul Dahlstrand, F. T. Ratliff (Oneida Wildlife Society).

389. Chippewa Falls, Wis. (all points within a 15-mile diameter circle, center same as last year).—Dec. 26; 7 a.m. to 5 p.m. Clear a.m., cloudy p.m.; temp. 21° to 16°; wind NW, 5-15 m.p.h.; light snow cover, open water below dam. Seven observers in 2 parties. Total party-hours, 20 (7 on foot, 13 by car); total party-miles, 214 (6 on foot, 208 by car). ► Common Goldeneye, **1150**; Red-tailed Hawk, 1; **Marsh Hawk, 3**; Ruffed Grouse, 1; Ring-necked Pheasant, 4; Mourning Dove, 5; Great Horned Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 3; Blue Jay, 74; Common Crow, **304**; Black-capped Chickadee, 60; Tufted Titmouse, 3; White-breasted Nuthatch, 23; Starling, 431; House Sparrow, 716; Cardinal, 6; Common Redpoll, 25; Am. Goldfinch, 73; Slate-colored Junco, 31; Tree Sparrow, 44; Lapland Longspur, 391. **Total,** 26 species; about 3363 individuals. (Seen in area count period, but not on count day: Mallard.)—Charles Kemper (compiler), Jon Kemper, Clarence Kube, Cy Lamb, Elaine Miller, Ed Reifenauer, Neva Reifenauer.

390. Dancy, Wis. (all points within a 15-mile diameter circle, center at Dancy).—Dec. 21; 7 a.m. to 4 p.m. Sunny a.m., cloudy p.m.; temp. 5° to 20°; wind WNW, 5-10 m.p.h.; few snow patches. Ten observers in 2 parties. Total party-hours, 16 (4 on

foot, 12 by car); total party-miles, 223 (10 on foot, 213 by car). ► Mallard, 1; Common Merganser, 15; Marsh Hawk, 4; Ruffed Grouse, 3; Bobwhite, 19; Mourning Dove, 3; Great Horned Owl, 1; Barred Owl, 1; Downy Woodpecker, 3; Blue Jay, 68; Common Crow, 64; Black-capped Chickadee, 16; White-breasted Nuthatch, 6; Cedar Waxwing, 1; Starling, 203; House Sparrow, 570; Cardinal, 2; Pine Grosbeak, 11; Common Redpoll, 2; Am. Goldfinch, 145; Slate-colored Junco, 2; Tree Sparrow, 23; Song Sparrow, 1. **Total,** 23 species; about 1164 individuals.—Bonnie Beauchaine, Ronald Cummings, James Fredrick, Don Helgerson (compiler), Donald Hoehn, Bob Lehnherr, Janet Markee, Gary Mauritz, Randall Meyer, Wayne Rogers.

391. **Ellsworth, Wis.** (all points within a 15-mile diameter circle, center 3 miles south of Ellsworth, including Ellsworth and Mississippi River from Diamond Bluff to Bay City, Wis., and Redwing, Minn.; open farmland 40%, deciduous woods 40%, river bank 10%, residential 10%).—Dec. 30; 6:15 a.m. to 4:30 p.m. Partly cloudy; temp. 14° to 38°; wind SW, 5-10 m.p.h.; ground mostly bare, creeks mostly open, Mississippi River mostly frozen. Two observers in 1 party. Total party-hours, 9½ (2½ on foot, 7 by car); total party-miles, 95 (3 on foot, 92 by car). ► Mallard, 39; Black Duck, 3; Red-tailed Hawk, 4; **Red-shouldered Hawk, 1**; Marsh Hawk, 1; Mourning Dove, 3; Great Horned Owl, 3; Belted Kingfisher, 1; **Yellow-shafted Flicker, 1**; Pileated Woodpecker, 5; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 25; Blue Jay, 102; Common Crow, 14; Black-capped Chickadee, 95; Tufted Titmouse, 7; White-breasted Nuthatch, 44; Brown Creeper, 3; Starling, 56; House Sparrow, 760; Redwinged Blackbird, **1300**; Rusty Blackbird, **63**; **Brown-headed Cowbird, 15**; Cardinal, 44; Purple Finch, 2; Am. Goldfinch, 31; Slate-colored Junco, 80; Tree Sparrow, 313; **White-throated Sparrow, 2. Total,** 31 species; about 3049 individuals.—John Butler, Sam Robbins (compiler).

392. **Hales Corners, Wis.** (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 29; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 25° to 31°; wind W to SW, 12-21 m.p.h.; Lake Michigan open, parts of streams open, light snow. Five observers in 2 parties. Total party-hours, 17 (6 on foot, 11 by car); total party-miles, 165 (13 on foot, 152 by car). ► Horned Grebe, 1; Canada Goose, 2; Mallard, 80; Black Duck, 61; Canvasback, 1; Greater Scaup, 155; Common Goldeneye, 450; Bufflehead, 135; Oldsquaw, 125; Common Merganser, 10; Red-breasted Merganser, 75; Red-tailed Hawk, 16; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 2; Ring-necked Pheasant, 20; Herring Gull, 1150; Ring-billed Gull, 3800; Long-eared Owl, **23**; Belted Kingfisher, 1; Downy Woodpecker, 7; Blue Jay, 3; Common Crow, **15,000** (roost); Black-capped Chickadee, 15; White-breasted Nuthatch, 5; Brown Creeper, 7; Robin, 7; Golden-crowned Kinglet, 3; Cedar Waxwing, 29; Northern Shrike, 1; Starling, 2000; House Sparrow, 700; Cardinal, 11; Am. Goldfinch, 1; Red Crossbill, 7; Slate-colored Junco, 70; Tree Sparrow, 75; Song Sparrow, 1. **Total,** 38 species; about 24,055 individuals. (Seen in area count period, but not on count day: meadowlark (sp.), Redwinged Blackbird.) —Ivy Balsom, Mary Donald (compiler), Mr. and Mrs. J. O'Hearn, Karl Priebe.

393. **Hiles, Wis.** (all points within a 15-mile diameter circle, center 9 miles north of Hiles at Pine River bridge on Town Road 2182 in Nicolet National Forest; ocean fields 5%, deciduous forest 15%, pine, fir and hemlock forest 30%, cedar and spruce swamp 50%).—Jan. 1; 6:15 a.m. to 4:30 p.m. Cloudy, light snow; temp. 10° to 20°; wind W, 0-10 m.p.h.; 4-in. old snow, streams mostly frozen. Three observers in 2 parties. Total party-hours, 13 (9 on foot, 4 by car); total party-miles, 82 (9 on foot, 73 by car). ► Bald Eagle, 1; Ruffed Grouse, 5; Great Horned Owl, 3; Barred Owl, 1; Pileated Woodpecker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 5; **Black-backed Three-toed Woodpecker, 3** (carefully studied at 20 ft.—Lounds); Gray Jay, 12; Blue Jay, 11; Common Raven, 11; Black-capped Chickadee, 91; Boreal Chickadee, **25**; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 10; Golden-crowned Kinglet, 9; Purple Finch, **584**; Common Redpoll, 4; Pine Siskin, **1172**; Am. Goldfinch, 109; Red Crossbill, **303**; White-winged Crossbill, **209**; Slate-colored Junco, 4; Tree Sparrow, 12. **Total,** 24 species; about 2597 individuals.—Roy Lound (compiler), Mrs. Roy Lound, Tom Soulen.

394. **Horicon National Wildlife Refuge, Wis.** (all points within a 15-mile diameter circle, center 3 miles SW of Refuge Headquarters; includes towns of Horicon, Burnett, Waupun, Kekoskee, Mayville). —Dec. 28; 7:35 a.m. to 4:40 p.m.; temp. 18° to 26°; wind SW, 12 m.p.h. Four observers in 2 parties. Total party-hours, 18 (5 on foot, 13 by car); total party-miles, 190 (12 on foot, 178 by car). ► Pied-billed Grebe, 2 [no details—Ed.]; Am. Bittern, 1 [no details —Ed.]; Canada Goose, **8157**; Mallard, **3157**; Black Duck, **759**; **Pintail, 3**; **Redhead, 1**; Ring-necked Duck, 1; **Greater Scaup, 1**; **Lesser Scaup, 1**; **Hooded Merganser, 1**; **Common Merganser, 1**; **Red-breasted Merganser, 1**; Red-tailed Hawk, 6; Rough-legged Hawk, 9; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 16; Am. Coot, 9; Ring-billed Gull, 2; Mourning Dove, 9; Great Horned Owl, 3; Snowy Owl, 2; Short-eared Owl, 4; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 5; Common Crow, 11; Black-capped Chickadee, 12; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Brown Creeper, 3; Starling, 174; House Sparrow, 621; Redwinged Blackbird, 790; **Rusty Blackbird, 4**; Common Grackle, 6; Brown-headed Cowbird, 205; Cardinal, 8; Am. Goldfinch, 3; Slate-colored Junco, 89; Tree Sparrow, 232. **Total,** 43 species; about 14,335 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Lapland Longspur.)—Lester H. Dundas (compiler), Hilary Elsinger, James Gillett, LeRoy Hovell.

395. **Lake Geneva, Wis.** (all points within a 15-mile diameter circle, center at Williams Bay as last

year, around lake stopping at suitable localities for observation; town and suburbs 35%, deciduous woods 25%, open water 5%, pasture 15%, cattails and spring-fed streams 10%, tamarack swamp 10%).—Jan. 2; 7 a.m. to 4 p.m. Overcast a.m., clear p.m.; temp. 26° to 15°; wind NW, 5-10 m.p.h.; 2-4-in. snow, lake mostly frozen over. Nine observers in 4 parties. Total party-hours, 32 (26 on foot, 6 by car); total party-miles, 132 (22 on foot, 110 by car). ► Canada Goose, 10; Mallard, 2000+; Black Duck, 250; **Wood Duck, 3**; Ring-necked Duck, 3; Canvasback, 1; Lesser Scaup, 3; Common Goldeneye, 10; Bufflehead, 1; Hooded Merganser, 6; Red-tailed Hawk, 15; Rough-legged Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 5; Am. Coot, 59; Common Snipe, 2; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 3; Snowy Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, **18**; Red-bellied Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 18; Blue Jay, 11; Common Crow, 8; Black-capped Chickadee, 27; White-breasted Nuthatch, 14; Brown Creeper, 12; Robin, 1; Golden-crowned Kinglet, 8; Starling, 47; **Myrtle Warbler, 4**; House Sparrow, 87; Eastern Meadowlark, 1; Rusty Blackbird, 1; Cardinal, 11; Purple Finch, 2; Common Redpoll, 2; Pine Siskin, 35; Am. Goldfinch, 1; Red Crossbill, 2; Slate-colored Junco, 40; Tree Sparrow, 20; **Fox Sparrow, 1**; Song Sparrow, 4. **Total,** 47 species; about 2770 individuals. (Seen in area count period, but not on count day: Redhead, Ruddy Duck, Common Merganser, Marsh Hawk, Barn Owl.)—Earl Anderson, Bertha Bannert, Karl Bartel, John Beckman, Margaret Lehmann, Clarence Palmquist (compiler), Paul Schulze, Charles Westcott, Helen Wilson.

396. Madison, Wis. (all points within a 15-mile diameter circle, center State Capitol as in prior years).—Dec. 26; 6 a.m. to 5 p.m. Partly cloudy; temp. 15° to 28°; wind W, 3-14 m.p.h.; ground mostly bare, lakes mostly frozen. Thirty observers in 13 parties. Total party-hours, 93 (56 on foot, 37 by car); total party-miles, 672 (56 on foot, 616 by car). ► Mallard, 1416; Black Duck, 129; **Gadwall, 1**; Am. Widgeon, 2; **Shoveler, 1**; **Wood Duck, 1** (many observers); Canvasback, 4; Lesser Scaup, 1; Bufflehead, 1; Common Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, **51**; Red-shouldered Hawk, 2; Rough-legged Hawk, **30**; Marsh Hawk, 16; Sparrow Hawk, 8; Ring-necked Pheasant, 39; Am. Coot, 10; Mourning Dove, 92; Great Horned Owl, 2; **Snowy Owl, 2**; Long-eared Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 2; Red-bellied Woodpecker, 5; Hairy Woodpecker, 21; Downy Woodpecker, 38; Horned Lark, 4; Blue Jay, 106; Common Crow, 291; Black-capped Chickadee, 131; Tufted Titmouse, 14; White-breasted Nuthatch, 51; Brown Creeper, 24; Robin, 7; Golden-crowned Kinglet, 3; Cedar Waxwing, 2; Northern Shrike, 1; Starling, 2144; House Sparrow, 2603; meadowlark (sp.), 8; Redwinged Blackbird, 530; Rusty Blackbird, 151; Common Grackle, 27; Cardinal, 86; Purple Finch, 9; Pine Siskin, 65; Am. Goldfinch, 42; Slate-colored Junco, 456; Oregon Junco, 2; Tree Sparrow, 677; White-throated Sparrow, 4; **Fox Sparrow, 1** (carefully identified—Walkers); Swamp Sparrow, 2; Song Sparrow, 18; Lapland Longspur, 1; Snow Bunting, 1. **Total,** 57 species; about 9343 individuals.—Thomas Ashman, N. R. Barger, N. R. Barger, Jr., Fern Bell, Mr. and Mrs. W. D. Brown and Joyce Ann, Mr. and Mrs. Alfred Eynon, Dr. and Mrs. Joseph J. Hickey, William Hilsenhoff, Francis Jordan, Mr. and Mrs. Henry Koenig, Mr. and Mrs. Roy Lound, Thomas Nicholls, Eleanor Peterson, Martha Porter, Eugene Roark, William Roark, Samuel Robbins, A. W. Schorger, Mr. and Mrs. Fred Shepherd, Steve Stefani, Josephine Walker, Mrs. R. A. Walker (compiler), Ray White.

397. Mazomanie, Wis. (all points within a 15-mile diameter circle, center 1½ miles SE of Witwen as in past 2 years; farms and open fields 35%, river bank and wooded bottomlands 35%, upland woods 15%, marsh 10%, residential 5%).—Jan. 2; 7 a.m. to 5 p.m. Overcast to clear; temp. 20° to 29°; wind NW, 10 m.p.h.; 1-in. snow, Wisconsin River and creeks partly open. Fifteen observers in 5 parties. Total party-hours, 29 (13 on foot, 16 by car); total party-miles, 296 (16 on foot, 280 by car). ► Common Goldeneye, 28; Red-tailed Hawk, 24; Rough-legged Hawk, 7; Bald Eagle, 11; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 8; Common Snipe, 2; Mourning Dove, 135; Snowy Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 45; Horned Lark, 150; Blue Jay, 86; Common Crow, 1042; Black-capped Chickadee, 82; Tufted Titmouse, 10; White-breasted Nuthatch, 41; Brown Creeper, 2; Winter Wren, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 36; Starling, 472; House Sparrow, 1646; Redwinged Blackbird, 2; Rusty Blackbird, 3; Cardinal, 238; Purple Finch, 44; Pine Siskin, 50; Am. Goldfinch, 18; Slate-colored Junco, 467; Tree Sparrow, 889; Song Sparrow, 3. **Total,** 38 species; about 5609 individuals.—Tom Ashman, Bud Barger, Mr. and Mrs. N. R. Barger (compilers), Joyce Ann Brown, Mr. and Mrs. W. D. Brown, Carolyn Carpenter, Francis Jordan, Mr. and Mrs. Henry Koenig, Mr. and Mrs. Harold Kruse, Martha Porter, Mrs. R. A. Walker.

398. Milwaukee, Wis. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 26; 6 a.m. to 6 p.m. Partly cloudy; temp. 28° to 32°; wind NE, 15-21 m.p.h.; trace of old snow, harbor frozen, loose ice near shore. Twenty-one observers in 8 parties. Total party-hours, 56 (20 on foot, 36 by car); total party-miles, 311 (32 on foot, 279 by car). ► Red-throated Loon, 3; Canada Goose, 2; Mallard, 2879; Black Duck, 269; Shoveler, 13; Canvasback, 3; Greater Scaup, 259; Common Goldeneye, 460; Bufflehead, 70; Oldsquaw, 376; Common Merganser, 513; Red-breasted Merganser, 43; duck (sp.), 6700; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 3; Rough-legged Hawk, 3; Sparrow Hawk, 10; Ring-necked Pheasant, 81; Herring Gull, 1572; Ring-billed Gull, 459; Mourning Dove, 61; Screech Owl, 2; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 13; Yellow-shafted Flicker, 1; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 11; Downy Wood-

pecker, 31; Blue Jay, 9; Common Crow, 248; Black-capped Chickadee, 87; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 6; Brown Creeper, 6; **Brown Thrasher,** 1; Robin, 16; Golden-crowned Kinglet, 5; Cedar Waxwing, 26; Starling, 1159; House Sparrow, 897; Common Grackle, 1; Cardinal, 34; Purple Finch, 9; Common Redpoll, 6; Am. Goldfinch, 1; Red Crossbill, 15; Slate-colored Junco, 156; Tree Sparrow, 23; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 51 species; about 16,575 individuals. (Seen in area count period, but not on count day: Pintail, Gadwall, Green-winged Teal, Am. Coot, Short-eared Owl, Mockingbird, Redwinged Blackbird.)—Marion Allen, Ivy Balsom, Mr. and Mrs. E. Basten, Mr. and Mrs. A. Bromm, Mr. and Mrs. J. Campbell, Mary Donald (compiler), Mr. and Mrs. C. Frister, Anna Hehn, Clarence Jung, Lillian Logeman, Mr. and Mrs. J. O'Hearn, Karl Priebe, Amelia Simmons, Marian Urdan, Mr. and Mrs. B. Weideman.

399. Racine, Wis. (all points within a 15-mile diameter circle, center North Shore RR Station as last year).—Dec. 31; 7:30 a.m. to 4:30 p.m.; temp. 28° to 30°; 2-3-in. snow cover, lake open. Sixteen observers in 7 parties. Total party-hours, 30; total party-miles, 171 (17 on foot, 154 by car). ► **Black-crowned Night Heron, 1** (E.P.); Canada Goose, 37; Mallard, 1484; Black Duck, 134; Shoveler, 1; scaup (sp.), 10; Common Goldeneye, 2277; Bufflehead, 224; Oldsquaw, 339; Hooded Merganser, 1; Common Merganser, 210; Red-tailed Hawk, 2; Rough-legged Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 22; Herring Gull, 1331; Mourning Dove, 13; Snowy Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 10; Common Crow, 80; Black-capped Chickadee, 2; White-breasted Nuthatch, 4; Brown Creeper, 5; **Brown Thrasher,** 1; Robin, 1; Starling, 543; House Sparrow, 510; Common Grackle, 3; Cardinal, 14; Am. Goldfinch, 3; Slate-colored Junco, 128; Tree Sparrow, 35; White-throated Sparrow, 1; Swamp Sparrow, 2. **Total,** 40 species; about 7459 individuals.—Ann Carlson, Laura DuFour, Robert Fiehweg, Dorothy Joslyn, Joy Joslyn, Mrs. Frank Kranick, Mrs. Walter Pierce, David Prins, Edward Prins, George Prins, Mrs. Joan Rohan, John Saetveit, Mrs. Arthur Schacht, J. Allan Simpson, Mrs. E. R. Smale, Mary-Elizabeth Whelan (compiler).

400. Rhinelander, Wis. (all points within a 15-mile diameter circle, center at intersection of Stevens and Davenport Streets; open farmland 20%, coniferous and deciduous forest 50%, riverbottom 10%, city 20%).—Dec. 26; 7:45 a.m. to 5 p.m. Partly cloudy, snow showers; temp. 10° to 25°; wind N, 5-8 m.p.h.; 2-in. snow on ground, lakes frozen, Wisconsin River open. Nine observers in 3 parties plus 3 at feeders only. Total party-hours, 25 (10 on foot, 15 by car); total party-miles, 191 (3 on foot, 188 by car). ► Ruffed Grouse, 1; Hairy Woodpecker, 15; Downy Woodpecker, 7; Blue Jay, **59**; Black-capped Chickadee, 85; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 14; **Brown Creeper, 9**; **Robin, 1**; **Golden-crowned Kinglet, 1**; **Bohemian Waxwing, 30** (studied 10 minutes); Northern Shrike, 4; Starling, 75; House Sparrow, 173; Evening Grosbeak, 92; Purple Finch, 96; **Pine Siskin, 131**; **Am. Goldfinch, 42**; Red Crossbill, 35; **Slate-colored Junco, 15**; Snow Bunting, 7. **Total,** 21 species; about 900 individuals. (Seen in area count period, but not on count day: Snowy Owl, Pileated Woodpecker, Common Raven.)—Freda Brunner, Werner Brunner, Claire Calkins, Lois Dahlstrand, Nils P. Dahlstrand (compiler), Sadie Dahlstrand, Grace Lassig, Lillian Lassig, Evelyn Ratliff, F. T. Ratliff, Cedric Vig (Oneida Wildlife Society).

401. St. Croix Falls, Wis. (all points within a 15-mile diameter circle, center 3 miles north and 1 mile west of Centuria, including St. Croix Falls, Balsam Lake, Luck, Cushing; open farmland 30%, deciduous woods 25%, river bank 25%, residential 20%).—Dec. 21; 7 a.m. to 4 p.m. Partly cloudy; temp. −12° to 0°; wind NW, 10-20 m.p.h.; ground mostly bare, creeks frozen, St. Croix River open only below dam. Two observers in 2 parties. Total party-hours, 16 (2 on foot, 14 by car); total party-miles, 197 (2 on foot, 195 by car). ► Common Goldeneye, 24; Common Merganser, 3; Cooper's Hawk, 1; **Red-shouldered Hawk,** 1; Bald Eagle, 1; Ring-necked Pheasant, 22; **Yellow-shafted Flicker,** 1; Pileated Woodpecker, 4; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 7; Blue Jay, 135; Common Crow, 11; Black-capped Chickadee, 73; White-breasted Nuthatch, 27; Golden-crowned Kinglet, 2; Northern Shrike, 1; Starling, 53; House Sparrow, 658; **Red-winged Blackbird,** 1; Cardinal, 8; Evening Grosbeak, 1; Purple Finch, 10; Am. Goldfinch, 44; Slate-colored Junco, 5; Tree Sparrow, 30; Snow Bunting, 28. **Total,** 28 species; about 1170 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, White-winged Crossbill.)—Charles Kemper, Sam Robbins (compiler).

402. Seneca, Wis. (all points within a 15-mile diameter circle, center same as last year).—Dec. 26; 8 a.m. to 4:30 p.m. Partly overcast; temp. 22° to 26°; wind N, 2-10 m.p.h.; ground with 1-in. snow, streams and river mostly frozen. One observer. Total hours, 8½; total miles, 52 (9 on foot, 43 by car). ► Red-tailed Hawk, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 5; Common Crow, 3; Black-capped Chickadee, 13; Tufted Titmouse, 6; White-breasted Nuthatch, 4; Brown Creeper, 1; Starling, 54; House Sparrow, 32; Cardinal, 7; Am. Goldfinch, 13; Slate-colored Junco, 21; Tree Sparrow, 55; Song Sparrow, 2. **Total,** 17 species; about 222 individuals.—Clarence Paulson.

403. Stevens Point, Wis. (all points within a 15-mile diameter circle, center State College Campus).—Dec. 28; 7:30 a.m. to 4:30 p.m.; temp. 10° to 24°; wind SW, 5-15 m.p.h. Seventeen observers in 4 parties. Total party-hours, 34 (15 on foot, 19 by car); total party-miles, 306 (27 on foot, 279 by car). ► Mallard, 1; Common Goldeneye, 19; Rough-legged

Hawk, 1; Marsh Hawk, 1; Ruffed Grouse, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 7; Blue Jay, 171; Common Crow, 22; Black-capped Chickadee, 40; Tufted Titmouse, 1; White-breasted Nuthatch, 12; Robin, 1; Golden-crowned Kinglet, 10; Northern Shrike, 1; Starling, 183; House Sparrow, 591; Cardinal, 14; Common Redpoll, 3; Pine Siskin, 12; Am. Goldfinch, 84; Slate-colored Junco, 49; Tree Sparrow, 102. **Total,** 25 species; about 1341 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Brown Creeper, Bohemian Waxwing, Common Grackle, Evening Grosbeak, Snow Bunting.)—Ray Anderson, John Barnes, George Becker, Arol Epple (compiler), Mrs. Arol Epple, Mr. and Mrs. W. C. Hansen, Nelis Kampenga, Lorin Leitner, Edgar Pierson, Harold Roberts, Kenneth Swedberg, Mr. and Mrs. Robert Whitmire, Bernard Wievel, Mr. and Mrs. Paul Yambert.

404. Summit Lake, Wis. (all points within a 15-mile diameter circle, center 3½ miles east of village of Summit Lake; spruce swamp 25%, mixed conifers 20%, deciduous woods 20%, open farmlands 20%, pine 10%, residential 5%).—Dec. 30; 6:30 a.m. to 4:05 p.m. Overcast, light snow; temp. 24° to 34°; wind NW, 5-10 m.p.h.; 1-in. old snow, streams partly open, lakes frozen. One observer. Total hours, 9½ (4 on foot, 5½ by car); total miles, 93 (4 on foot, 89 by car). ► Mallard, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Gray Jay, 2; Blue Jay, 13; Common Raven, 5; Black-capped Chickadee, 78; **Boreal Chickadee, 4** (seen well); White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Robin, 2; Golden-crowned Kinglet, 7; Starling, 4; House Sparrow, 3; Purple Finch, 19; Common Redpoll, 2; Pine Siskin, 11; Red Crossbill, 64; White-winged Crossbill, 45; Tree Sparrow, 4; Snow Bunting, 300. **Total,** 21 species; about 575 individuals. (Seen in area count period, but not on count day: Common Crow, Am. Goldfinch.)—Tom Soulen.

405. Waukesha, Wis. (all points within a 15-mile diameter circle, center City of Waukesha parks; open farmlands 45%, deciduous farm woodlots 36%, tamarack swamp 4%, grassy marsh 14%, parks ½%, coniferous plantings ½%).—Dec. 26; 7 a.m. to 5 p.m. Cloudy to part cloudy; temp. 26° to 23°; wind N, 12 m.p.h.; ground bare, water partly open. Twenty-three observers in 7 parties. Total party-hours, 52 (21 on foot, 31 by car); total party-miles, 556 (67 on foot, 489 by car). ► Canada Goose, 3; Mallard, 65; Black Duck, 113; Lesser Scaup, 1; Common Goldeneye, 5; Common Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, **57**; Red-shouldered Hawk, 2; Rough-legged Hawk, 12; Marsh Hawk, 10; Sparrow Hawk, 3; Ring-necked Pheasant, 10; Am. Coot, 1; Herring Gull, 7; Mourning Dove, 5; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 64; Blue Jay, 50; Common Crow, 576; Black-capped Chickadee, 95; White-breasted Nuthatch, 60; Brown Creeper, 9; Robin, 1; Golden-crowned Kinglet, 18; Cedar Waxwing, 15; Starling, 1061; House Sparrow, 1961; Eastern Meadowlark, 1; Redwinged Blackbird, 3; Brown-headed Cowbird, 12; Cardinal, 41; Purple Finch, 65; Am. Goldfinch, 56; Red Crossbill, 10; White-winged Crossbill, 1; Slate-colored Junco, 323; Oregon Junco, 2; Tree Sparrow, 1283; Swamp Sparrow, 1; Song Sparrow, 2; Lapland Longspur, 2. **Total,** 47 species; about 6034 individuals.—Robert Adams (compiler), Clarence Anthes, Robert Barndt, Les Compton, Olive Compton, Ray Gerstner, Nancy Hall, Charlotte McCombe, Charles Nelson, Jr., Mary Nelson, E. R. Rutenber, Mary Rutenber, Tom Soulen, Ernie Zimmerman.

406. Wautoma, Wis. (all points within a 15-mile diameter circle, center village of Mount Morris; deciduous woods 40%, open fields 20%, residential 10%, marshes and river banks 20%, coniferous woods 10%).—Jan. 2; 7:30 a.m. to 4 p.m.; temp. 15° to 20°; wind SW, 20 m.p.h.; ground bare, lakes frozen, rivers open. Three observers in 2 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 132 (8 on foot, 124 by car). ► Great Blue Heron, 1; Mallard, 8; Black Duck, 3; Pintail, 5; Hooded Merganser, 1; **Goshawk, 2**; Red-tailed Hawk, 1; Marsh Hawk, 2; Bobwhite, 8; Ring-necked Pheasant, 7; Gray Partridge, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 9; Hairy Woodpecker, 11; Downy Woodpecker, 12; Blue Jay, 82; Common Crow, 8; Black-capped Chickadee, 72; White-breasted Nuthatch, 15; Starling, 31; Redwinged Blackbird, 1; Cardinal, 14; Purple Finch, 1; Slate-colored Junco, 54; Tree Sparrow, 6; Field Sparrow, 20 [no details—Ed.]; Song Sparrow, 3. **Total,** 27 species; about 383 individuals.—William H. Boase, Mrs. Merwood Chipman (compiler), Mrs. Clarence Marks.

407. Afton, Minn. (all points within a 15-mile diameter circle, center Afton, including both sides of St. Croix River; open farmland 55%, deciduous woods 20%; deciduous wooded river banks, hills and valleys 20%, residential 5%).—Jan. 2; 6:30 a.m. to 5 p.m. Partly cloudy, snow flurries; temp. −2° to 11°; wind ESE, 0-7 m.p.h.; no snow on ground, St. Croix River open in spots. Seven observers in 2 parties. Total party-hours, 19 (6 on foot, 13 by car); total party-miles, 153 (8 on foot, 145 by car). ► **Great Blue Heron, 1** (S.R.); Mallard, 300; Black Duck, 2; Common Goldeneye, 321; Common Merganser, 18; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 1; Mourning Dove, 38; Great Horned Owl, **15**; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 3; **Yellow-bellied Sapsucker, 1** (carefully identified—O.C., B.L.); Hairy Woodpecker, 12; Downy Woodpecker, 26; Blue Jay, 133; Common Crow, 39; Black-capped Chickadee, 126; Tufted Titmouse, 4; White-breasted Nuthatch, 49; Robin, 2; Bohemian Waxwing, 1 (S.R.); Cedar Waxwing, **417**; Starling, 381; House Sparrow, 1072; Cardinal, 60; Purple Finch, 109; Am. Goldfinch, 16; Slate-colored Junco, 125; **Oregon Junco, 2**; Tree Sparrow, 54; **Fox Sparrow, 1** (S.R.);

Snow Bunting, 73. **Total,** 39 species; about 3430 individuals. (Seen in area count period, but not on count day: Bald Eagle, Ruffed Grouse, Screech Owl.) —Coy Asp, Mrs. Carl Barnes, Oliver Charley, Mr. and Mrs. Boyd Lien (compilers), Sam Robbins.

408. Cedar Creek Bog, Minn. (all points within a 15-mile diameter circle, center Cedar Creek Game Refuge as last year).—Dec. 26; 8 a.m. to 5 p.m. Overcast; temp. 12° to 18°; wind N, 9-13 m.p.h.; no snow. Four observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 65 (7 on foot, 58 by car). ► Ruffed Grouse, 4; Ring-necked Pheasant, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-headed Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 12; Blue Jay, 71; Common Crow, 1; Black-capped Chickadee, 49; White-breasted Nuthatch, 5; Northern Shrike, 1; Starling, 6; House Sparrow, 63; Am. Goldfinch, 16; Slate-colored Junco, 3; **Oregon Junco, 1** (4 observers); Tree Sparrow, 23. **Total,** 18 species; about 268 individuals.—Walter Jiracek (compiler), Mr. and Mrs. Boyd M. Lien (Minnesota Bird Club).

409. Duluth, Minn. (all points within a 15-mile diameter circle, center at East Superior Street bridge over Tischer Creek; city parks and residential 55%, fields and brushland 20%, lake and harbor shore 15%, poplar-birch forest 10%).—Dec. 26; 7:30 a.m. to 4 p.m. Partly cloudy; temp. 5° to 16°; wind NW, 10 m.p.h.; 0-2-in. old snow, water frozen except Lake Superior. Fourteen observers in 8 parties. Total party-hours, 26 (12 on foot, 14 by car); total party-miles, 98 (15 on foot, 83 by car). ► Black Duck, 2; Common Goldeneye, 58; Rough-legged Hawk, 2; Ruffed Grouse, 1; Sharp-tailed Grouse, 3; Ring-necked Pheasant, 5; Herring Gull, 41; Snowy Owl, 2; **Yellow-shafted Flicker, 2** (2 parties); Hairy Woodpecker, 9; Downy Woodpecker, 36; Blue Jay, 33; Common Raven, 2; Common Crow, 4; Black-capped Chickadee, 71; White-breasted Nuthatch, 11; Robin, **102**; Bohemian Waxwing, 15; Cedar Waxwing, **157**; Starling, 722; House Sparrow, 4000+; Cardinal, 1; Evening Grosbeak, 355; Purple Finch, 41; Pine Grosbeak, 32; Common Redpoll, 5; Pine Siskin, 17; White-winged Crossbill, 62; Slate-colored Junco, 7; Snow Bunting, 8. **Total,** 30 species; about 5806 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker, White-throated Sparrow.)—Miriam Carlstedt, Robert R. Cohen, Ole A. Finseth, Edward Flaccus, Janet C. Green (compiler), John C. Green, Anderson C. Hilding, Pershing B. Hofslund, Raymond E. Naddy, Rosalie A. Naddy, Mrs. Tom Pappas, Louis Peterson, Steven Shoberg, Robert Ulvang.

410. Excelsior, Minn. (all points within a 15-mile diameter circle, center 1 mile SE of Chanhassen, including areas about Lake Minnetonka, Glen Lake, Christmas Lake, Minn. River; pasture and open fields 50%, deciduous woodland and planted evergreens 30%, frozen river, lakes, marshland 20%).—Dec. 26; 8 a.m. to 8 p.m. Fair to partly cloudy; temp. −2° to 24°; wind NW, 3 m.p.h.; 1-in. snow on ground, spots of open water. Twenty-six observers in 9 parties. Total party-hours, 68 (17 on foot, 51 by car); total party-miles, 477 (30 on foot, 447 by car). ► Mallard, 825; Pintail, 1; Goshawk, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 8; Rough-legged Hawk, 5; Sparrow Hawk, 4; Ring-necked Pheasant, 62; Common Snipe, 1; Herring Gull, 1; Mourning Dove, 3; Great Horned Owl, 3; Short-eared Owl, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 7; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 5; Hairy Woodpecker, 37; Downy Woodpecker, 70; Horned Lark, 15; Blue Jay, 239; Common Crow, 48; Black-capped Chickadee, 243; Tufted Titmouse, 3; White-breasted Nuthatch, 111; Brown Creeper, 6; Golden-crowned Kinglet, 3; Cedar Waxwing, 20; Starling, 366; House Sparrow, 2041; Redwinged Blackbird, 30; **Yellow-headed Blackbird, 1** (male with other blackbirds—5 observers); Brewer's Blackbird, 1; Common Grackle, 3; Brown-headed Cowbird, 1; Cardinal, 87; Purple Finch, 44; Common Redpoll, 1; Pine Siskin, 42; Am. Goldfinch, 56; Slate-colored Junco, 253; Oregon Junco, **4**; Tree Sparrow, 601. **Total,** 43 species; about 5271 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, White-winged Crossbill.)—Mr. and Mrs. Lester Badger, Wendell Brown, Evelyn Bruce, Mrs. F. M. Crosby, Marion Cross, Mr. and Mrs. William Davidson, Mr. and Mrs. Whitney Eastman, Arnold Erickson, Mr. and Mrs. M. E. Herz, Robert Janssen, Mr. and Mrs. Henry Norton, Mr. and Mrs. Henry Pratt, John Pratt, Dana R. Struthers, Horace G. Scott, Dean Ward Tanner, Bro. Theodore, Philip D. Tryon, Mrs. Philip D. Tryon (compiler), Ray Walker.

411. Hibbing, Minn. (all points within a 15-mile diameter circle, center St. Louis County Courthouse; streets 15%, river banks and lakeshore 15%, open farmland 10%, balsam-tamarack swamp 20%, poplar-birch woods 20%, pine forest 20%; Mountain Ash, thorn apples, etc. heavily laden with berries).—Dec. 28; 7:30 a.m. to 5 p.m. Cloudy, light snow flurries; temp. 10° to 18°; wind WSW, 5-10 m.p.h.; 2-4-in. old snow in woods. Fourteen observers in 6 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 117 (15 on foot, 102 by car). ► Ruffed Grouse, 1; Hairy Woodpecker, 4; Downy Woodpecker, 4; Gray Jay, 1; Blue Jay, 25; Common Raven, 3; Black-capped Chickadee, 88; Boreal Chickadee, 2; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 10; Brown Creeper, 1; Bohemian Waxwing, **289** (many large flocks); Starling, 260; House Sparrow, 267; Pine Grosbeak, 147; Common Redpoll, 95; Pine Siskin, 3; White-winged Crossbill, 16; Snow Bunting, 110. **Total,** 19 species; about 1332 individuals. (Seen in area count period, but not on count day: Sharp-tailed Grouse, Pileated Woodpecker, Evening Grosbeak.)—Mrs. Louella Hayward, Sherman Kolden, Wanda Latendresse, Agnes Lilley, Clara Lilley, Mrs. Oscar McCracken, Catherine Micensky, Joanne Micensky, Mrs. John Micensky (compiler), G. A. Ogden, Mrs. G. A. Ogden, Floyd T. Parker, Elizabeth Parks, Frank Pingatore (Little Swan 4-H Club).

412. Minneapolis (north), Minn. (all points within a 15-mile diameter circle, center Coon Creek

Dam; from Camden Park to Anoka, both sides of Mississippi River; open farmland 40%, town suburbs 46%, deciduous farm woodlots 10%, deciduous river banks and valleys 2%, marshes and sloughs 2%).—Dec. 31; 8 a.m. to 4:30 p.m. Overcast; temp. 20° to 23°; wind N, 5-11 m.p.h.; no snow, river open below dam. Nineteen observers in 6 parties. Total party-hours, 29 (8 on foot, 21 by car); total party-miles, 337 (12 on foot, 325 by car). ► Mallard, 10; Common Goldeneye, 126; Common Merganser, 8; Red-tailed Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 4; Ring-necked Pheasant, 20; Mourning Dove, 35; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 259; Common Crow, 79; Black-capped Chickadee, 52; White-breasted Nuthatch, 26; Robin, 1; Starling, 752; House Sparrow, 930; Redwinged Blackbird, 25; Cardinal, 8; Purple Finch, 7; Am. Goldfinch, 109; Slate-colored Junco, 72; Tree Sparrow, 84. **Total,** 29 species; about 2636 individuals. (Seen in area count period, but not on count day: Great Horned Owl.)—Dixie Brown, Richard Brown, Agnes Elstad, Erda Hallberg, Ethel Hallberg, Angeline Homola, Helen Homola, John Jones, Paul LaPlant, Ralph LaPlant, Mr. and Mrs. Boyd M. Lien (compilers), Robert Rydell, Rick Rydell, Lester Scheaffer, Keith Sherck, Mr. and Mrs. Melvin Stenrud, Charles Wright (Minneapolis Bird Club).

413. Minneapolis (west), Minn. (all points within a 15-mile diameter circle, center on Minneapolis Golf Course, extending to junction of Hwys. 55 and 101, Robbinsdale, Edina, Hopkins, and including Theodore Wirth Park, Roberts Bird Sanctuary; town suburbs 49%, open farmland 23%, deciduous woodlots 15%, lakes, marshes, and creeks 8%, city parks and golf courses 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Sunny to overcast, snow flurries late p.m.; temp. 12° to 18°; wind NNE, 12 m.p.h.; 1-in. snow, no open water. Fifty-six observers in 3 parties. Total party-hours, 21 (7 on foot, 14 by car); total party-miles, 249 (8 on foot, 241 by car). ► Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 58; Mourning Dove, 1; Great Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Hairy Woodpecker, 6; Downy Woodpecker, 20; Blue Jay, 116; Common Crow, 29; Black-capped Chickadee, 69; White-breasted Nuthatch, 25; Cedar Waxwing, 22; Starling, 266; House Sparrow, 1249; Cardinal, 15; Am. Goldfinch, 36; Slate-colored Junco, 254; Oregon Junco, 1; Tree Sparrow, 63; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 25 species; about 2245 individuals.—J. S. Futcher (compiler), Harding Huber, Ronald Huber, John Menge, David Pearson, William R. Pieper (Avifaunal Club).

414. Northfield, Minn. (all points within a 15-mile diameter circle, center Northfield).—Dec. 21; 8 a.m. to 4 p.m.; temp. −7° to −2°; wind NW, 21 m.p.h. Two observers in 1 party. Total party-hours, 8; total party-miles, 50 (10 on foot, 40 by car). ► Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Great Horned Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 6; Common Crow, 1; Black-capped Chickadee, 23; White-breasted Nuthatch, 1; Cedar Waxwing, 7; Starling, 20; House Sparrow, 75; Cardinal, 7; Pine Siskin, 35; Slate-colored Junco, 18; Oregon Junco, 2; Tree Sparrow, 25. **Total,** 20 species; about 232 individuals.—Orwin Rustad, George N. Rysgaard (compiler).

415. Rochester, Minn. (all points within a 15-mile diameter circle, center at KROC TV tower on Hennessey Hill 2 miles west of Rochester; deciduous woodland 60%, city park 12%, roadsides 12%, coniferous windbreaks 12%, apple orchard 4%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear to partly cloudy, snow flurries 3 p.m.; temp. 15° to 21°; wind SW, 5-10 m.p.h.; 1-in. snow cover, Silver Lake open except East Bay. Thirteen observers in 3 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 100 (10 on foot, 90 by car). ► Canada Goose, 2571; Mallard, 724; **Wood Duck,** 1; Common Goldeneye, 21; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 20; Mourning Dove, 4; Great Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 14; Hairy Woodpecker, 14; Downy Woodpecker, 39; Blue Jay, 54; Common Crow, 54; Black-capped Chickadee, 64; Tufted Titmouse, 5; White-breasted Nuthatch, 64; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Starling, 268; House Sparrow, 218; Common Grackle, 7; Cardinal, 54; Purple Finch, 3; Am. Goldfinch, 106; Slate-colored Junco, 88; Tree Sparrow, 210. **Total,** 35 species; about 4624 individuals. (Seen in area count period, but not on count day: Red-breasted Merganser.)—Mel Chase, Kendall W. Corbin, Carl M. Johnson, Mrs. Sarah Smith Kelly, Larry Krueger, George Logan, Kathryn Logan, Donald Orke, Forest V. Strnad (compiler).

416. St. Paul (north), Minn. (all points within a 15-mile diameter circle, center Round Lake near Little Canada).—Dec. 26; 8:15 a.m. to 4:45 p.m. Fair a.m., cloudy p.m., snow flurries; temp. 12° to 18°; wind NNW, 10 m.p.h. Ten observers in 2-3 parties. Total party-hours, 20 (14 on foot, 6 by car); total party-miles, 42 (17 on foot, 25 by car). ► **Wood Duck, 2** (8 observers); Common Goldeneye, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Mourning Dove, 6; Barred Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 6; Blue Jay, 32; Common Crow, 30; Black-capped Chickadee, 55; White-breasted Nuthatch, 14; Brown Creeper, 2; Golden-crowned Kinglet, 5; Cedar Waxwing, 11; Starling, 35; House Sparrow, 210; Redwinged Blackbird, 2; Common Grackle, 6; Cardinal, 8; Evening Grosbeak, 10; Purple Finch, 25; Common Redpoll, 12; Pine Siskin, 11;

Am. Goldfinch, 3; Red Crossbill, 35; Slate-colored Junco, 34; **Oregon Junco,** 1; Tree Sparrow, 7. **Total,** 35 species; about 581 individuals.—Mrs. J. E. Bowes, Allen Cuthbert, M. Goldberg, Hazel Hegland, Ellen Hodnett, Mary Hodnett, Mrs. Sylvia Holliday, Mrs. Bernice Lindemann, Bill Litkey, A. C. Rosenwinkel (compiler).

417. **St. Paul (northeast suburban), Minn.** (all points within a 15-mile diameter circle, center Withrow, north to line parallel with Marine-on-St. Croix, east to St. Croix River, south to Lake Jane Road, west to Centerville Road).—Dec. 26; 8 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 10° to 18°; wind N, 10-15 m.p.h.; St. Croix River partly open, 1-in. snow on ground. Eighteen observers in 8 parties. Total party-hours, 77 (11 on foot, 66 by car); total party-miles, 266 (21 on foot, 245 by car). ► Mallard, 9; Common Goldeneye, 1; Common Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Marsh Hawk, 1; Ring-necked Pheasant, 39; **Killdeer, 2** (seen well, also heard); Mourning Dove, 21; Barred Owl, 1; Short-eared Owl, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 22; Hairy Woodpecker, 20; Downy Woodpecker, 28; Blue Jay, 152; Common Crow, 646; Black-capped Chickadee, 98; Tufted Titmouse, 2; White-breasted Nuthatch, 51; Brown Creeper, 3; Cedar Waxwing, 50; Northern Shrike, 1; Starling, 670; House Sparrow, 260; Rusty Blackbird, **50**; Cardinal, 9; Pine Siskin, 40; Am. Goldfinch, 1; Slate-colored Junco, 102; Tree Sparrow, 176; **White-throated Sparrow, 1** (F.L.J.); Snow Bunting, 75. **Total,** 34 species; about 2553 individuals.—John Fitzpatrick, Mrs. Donald Gipple, Dale Haswell, Stephen Holt, Mr. and Mrs. Dean Honetschlager, Mr. and Mrs. Francis Lee Jaques, Mr. and Mrs. Warren Lundgren, Mrs. Thomas McClanahan, Mrs. Robert Merrick, Mr. and Mrs. Jean Nelson, Murray Olyphant, Mrs. Murray Olyphant (compiler), Mr. and Mrs. John Uppgren.

418. **St. Paul (south), Minn.** (all points within a 15-mile diameter circle, center intersection of Highways 55 and 49, including Minn. River from Black Dog Lake to confluence with Miss. River, Miss. River from Minn. River to Newport).—Jan. 2; 8 a.m. to 4 p.m; temp. 5° to 20°; wind NW, 0-5 m.p.h. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 75 (3 on foot, 72 by car). ► Mallard, 900; Black Duck, 3; Pintail, 3; Lesser Scaup, 1; Common Goldeneye, 145; Red-tailed Hawk, 4; Ring-necked Pheasant, 31; Snowy Owl, 1; Belted Kingfisher, 2; Downy Woodpecker, 6; Blue Jay, 8; Common Crow, 10; Black-capped Chickadee, 14; Tufted Titmouse, 1; White-breasted Nuthatch, 12; Brown Creeper, 1; Starling, 65; House Sparrow, 220; Cardinal, 5; Purple Finch, 2; Am. Goldfinch, 6; Slate-colored Junco, 8; Tree Sparrow, 30. **Total,** 23 species; about 1478 individuals.—John A. Hall (compiler), Richard W. Ryan.

419. **Walker, Minn.** (all points within a 15-mile diameter circle, center highway intersection 5 miles south of Walker as in former years).—Jan. 1; 8 a.m. to 4 p.m. Clear; temp. −13° to −6°; wind calm; 6-in. snow, lakes frozen, streams open. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 57 (2 on foot, 55 by car). ► Ruffed Grouse, 11; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 6; Gray Jay, 1; Blue Jay, 21; Common Raven, 3; Common Crow, 2; Black-capped Chickadee, 31; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 5; Bohemian Waxwing, 1; Northern Shrike, 1; Starling, 27; House Sparrow, 45; Rusty Blackbird, 3; Cardinal, 4; Evening Grosbeak, 270; Purple Finch, 1; Pine Grosbeak, 4; Common Redpoll, 90; Red Crossbill, 27; Slate-colored Junco, 1; Tree Sparrow, 2; Snow Bunting, 24. **Total,** 28 species; about 597 individuals. (Seen in area count period, but not on count day: Bald Eagle, Snowy Owl.)—Harold R. Hanson (compiler), Stanton Oman.

420. **Cedar Falls, Iowa** (all points within a 15-mile diameter circle, center at Cedar Falls, to include Snag Creek, Black Hawk Park, Union Bridge, Goose Lake, Wyth Park, Leland's Pasture, Hartman Reserve, Byrnes Park; riverbottom forest 50%, upland forest 15%, savannah 15%, fields and prairies 20%).—Dec. 26; 8 a.m. to 4:30 p.m. Partly cloudy; temp. 20° to 30°; no wind; 2-in. snow on ground, ponds frozen, river partly open. Twelve observers in 3 parties. Total party-hours, 24 (17 on foot, 7 by car); total party-miles, 112 (18 on foot, 94 by car). ► Mallard, 3; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Ring-necked Pheasant, 9; Mourning Dove, 13; Great Horned Owl, 2; Barred Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 2; Hairy Woodpecker, 16; Downy Woodpecker, 44; Blue Jay, 41; Common Crow, 107; Black-capped Chickadee, 190; Tufted Titmouse, 12; White-breasted Nuthatch, 43; Brown Creeper, 17; Robin, 1; Golden-crowned Kinglet, 1; Northern Shrike, 1; Starling, 111; House Sparrow, 407; Eastern Meadowlark, 1; Common Grackle, 1; Cardinal, 94; Pine Siskin, 12; Am. Goldfinch, 54; Slate-colored Junco, 356; Tree Sparrow, 77; Harris' Sparrow, 1; Song Sparrow, 1. **Total,** 37 species; about 1664 individuals.—Richard Barnett, Frances Crouter, Eleanor Eifert, Martin Grant (compiler), Annette Haffner, Russell Hays, Mabelle Hinkley, Fred Holgate, Maxine Schwanke, Lois Sherman, Florence Spring, George Swanson.

421. **Clinton, Iowa** (all points within a 15-mile diameter circle, center Elk River Junction as previous years).—Dec. 31; 7 a.m. to 5:15 p.m. Partly cloudy to overcast; temp. 25° to 36°; wind SW, 8-12 m.p.h.; river 3% open, 2-4-in. old snow. Ten observers in 5 parties. Total party-hours, 28 (9 on foot, 18½ by car, ½ by airplane); total party-miles, 370 (15 on foot, 315 by car, 40 by airplane). ► Mallard, 4750; Black Duck, 60; Pintail, 8; Green-winged Teal, 1; Common Goldeneye, 3; Common Merganser, 150; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-

tailed Hawk, 21; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 8; Sparrow Hawk, 5; Ring-necked Pheasant, 8; Mourning Dove, 26; Great Horned Owl, 3; Barred Owl, 1; Long-eared Owl, 3; Short-eared Owl, 4; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 53; Horned Lark, 78; Blue Jay, 89; Common Crow, 297; Black-capped Chickadee, 113; Tufted Titmouse, 24; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 6; **Ruby-crowned Kinglet, 1** (F.L.); Starling, 1814; House Sparrow, 1092; Eastern Meadowlark, 2; Western Meadowlark, 18; Redwinged Blackbird, 5; Common Grackle, 2; Cardinal, 175; Purple Finch, 3; Am. Goldfinch, 227; Slate-colored Junco, 446; Tree Sparrow, 626; White-crowned Sparrow, 1; Song Sparrow, 45; **Snow Bunting, 1** (L.B.). **Total,** 51 species; about 10,228 individuals. (Seen in area count period, but not on count day: Canada Goose, Herring Gull.)—Lewis Blevins, Elton Fawks, James Hodges, James Hodges, Jr., Fred Lesher, Jolene Lesher, Rev. Maurice Lesher, Jim Lewis, Peter C. Petersen, Jr. (compiler), Mike Yeast.

422. Davenport, Iowa (all points within a 15-mile diameter circle, center toll house of Memorial Bridge as last year).—Dec. 26; 5 a.m. to 5:30 p.m. Snow flurries a.m., clearing p.m.; temp. 21° to 31°; wind N, 5-10 m.p.h.; 2-4-in. old snow, river mostly frozen. Twenty-six observers in 25 parties. Total party-hours, 101 (36 on foot, 45 by car, 20 misc.); total party-miles, 603 (49 on foot, 554 by car). ► Mallard, 46; Black Duck, 2; Pintail, 1; Redhead, 2; Ring-necked Duck, 1; Lesser Scaup, 16; Common Goldeneye, 364; Bufflehead, 1; Hooded Merganser, 2; Common Merganser, 305; Red-breasted Merganser, 3; **Goshawk, 2** (D.G., E.F.); Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 54; Red-shouldered Hawk, 6; Broad-winged Hawk, 2 (carefully identified—W.D.); Rough-Legged Hawk, 14; Bald Eagle, 91; Marsh Hawk, 1; Sparrow Hawk, 9; Bobwhite, 4; Ring-necked Pheasant, 153; **King Rail, 1** (cripple seen well—R.T.); Herring Gull, 4; Ring-billed Gull, 5; Mourning Dove, 149; Screech Owl, 2; Great Horned Owl, 3; Barred Owl, 1; Long-eared Owl, 2; Short-eared Owl, 16; Belted Kingfisher, 4; Yellow-shafted Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 61; Red-headed Woodpecker, 3; Hairy Woodpecker, 51; Downy Woodpecker, 157; Horned Lark, 85; Blue Jay, 82; Common Crow, 467; Black-capped Chickadee, 281; Tufted Titmouse, 62; White-breasted Nuthatch, 59; Brown Creeper, 30; **Mockingbird, 1**; Robin, 7; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, **27** (D.D.); Cedar Waxwing, 5; Starling, 2397; House Sparrow, 2381; Eastern Meadowlark, 1; meadowlark (sp.), 1; Redwinged Blackbird, 2834; Common Grackle, 6; Brown-headed Cowbird, 83; Cardinal, 218; Purple Finch, 12; Pine Siskin, 10; Am. Goldfinch, 57; Red Crossbill, 6; Slate-colored Junco, 699; **Oregon Junco, 1** (E.F., R.G.); Tree Sparrow, 1362; **Chipping Sparrow, 6** (W.D.); Field Sparrow, 2; White-crowned Sparrow, 12; White-throated Sparrow, 2; Fox Sparrow, 4; **Lincoln's Sparrow, 1** (all field marks—L.B.); Swamp Sparrow, 5; Song Sparrow, 171; **Lapland Longspur, 2** (P.P.). **Total,** 73 species; about 12,940 individuals. (Seen in area count period, but not on count day: Pigeon Hawk, Common Snipe, Barn Owl, Red-breasted Nuthatch, Rusty Blackbird.)—Lewis Blevins, Harry Carl, Robert, Larry, and Walter Dau, Dale Dickinson, Leo Doering, Elton Fawks, Mr. and Mrs. Floyd Gold, Ivan Graham, Dick Greer, Jim Hanssen, Donna and Frances Johnson, David Krause, Fred and Maurice Lesher, Jim Lewis, Tom Morrissey, Mr. and Mrs. Peter Petersen, Peter Petersen, Jr. (compiler), Don Price, Bob Trial, Mike Yeast.

423. Decorah, Iowa (all points within a 15-mile diameter circle, center NE corner Sec. 24, T99N, R8W).—Dec. 31; 8 a.m. to 4:30 p.m.; temp. 30° to 33°; wind NW, 4 m.p.h. Sixteen observers in 4 parties. Total party-hours, 28 (16 on foot, 12 by car); total party-miles, 140 (18 on foot, 122 by car). ► Mallard, 4; Red-tailed Hawk, 14; Rough-legged Hawk, 1; Ruffed Grouse, 5; Ring-necked Pheasant, 10; Mourning Dove, 45; Great Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 22; Hairy Woodpecker, 13; Downy Woodpecker, 27; Horned Lark, 4; Blue Jay, 87; Common Crow, 56; Black-capped Chickadee, 103; Tufted Titmouse, 44; White-breasted Nuthatch, 35; Brown Creeper, 1; Winter Wren, 1; Eastern Bluebird, 1; Starling, 117; Cardinal, 92; Purple Finch, 4; Am. Goldfinch, 15; White-winged Crossbill, 1; Slate-colored Junco, 151; Tree Sparrow, 71; Song Sparrow, 6. **Total,** 31 species; about 975 individuals. [Sharp-tailed Sparrow, 1 with no details and not underlined as unusual removed from list—Ed.]—Florence Albright, Bob Daubendick (compiler), V. A. Edwards, Mrs. H. P. Field, Mrs. Bert Henning, Mr. and Mrs. Gus Heuser, George Knudson, Darwin Koenig, Arlo Riam, Mr. and Mrs. Roy Schultz.

424. Des Moines, Iowa (all points within a 15-mile diameter circle, center at intersection of 63 and Center Streets including Fisher's Lake, Glendale and Pine Hill Cemeteries, Dale Maffitt Reservoir, Pioneer, Sycamore, and Walnut Woods Parks, Flint Acres Access, Dove, Charles Sing Denman, Margo Frankel and Crocker Woods; city 5%, planted coniferous areas 3%, brush 13%, partially cleared woodland 11%, deciduous woodlands 39%, open fields 19%, lakes, ponds and wooded streams 10%).—Jan. 2; 8 a.m. to 6 p.m. Overcast, clearing afternoon; temp. 9° to 18°; wind NW to WSW, 15-13 m.p.h.; 3-in. new snow on ground, little open water. Eight observers in 5 parties. Total party-hours, 35 (22 on foot, 13 by car); total party-miles, 185 (23 on foot, 162 by car). ► Mallard, 1000; Black Duck, 2; Pintail, 1; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bobwhite, 10; **Killdeer, 2**; Mourning Dove, 1; Great Horned Owl, 1; Barred Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Red-bellied Wood-

pecker, 12; Hairy Woodpecker, 10; Downy Woodpecker, 50; Horned Lark, 2; Blue Jay, 39; Common Crow, 34; Black-capped Chickadee, 145; Tufted Titmouse, 46; White-breasted Nuthatch, 41; Brown Creeper, 4; Winter Wren, 1; Golden-crowned Kinglet, 2; Starling, 1110; House Sparrow, 800; meadowlark (sp.), 1; Redwinged Blackbird, 8; Cardinal, 131; Am. Goldfinch, 57; Rufous-sided Towhee, 1; Slate-colored Junco, 317; Tree Sparrow, 460; Harris' Sparrow, 1; **White-throated Sparrow, 1**; Song Sparrow, 90. **Total,** 41 species; about 4412 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Bufflehead, Ring-necked Pheasant, Screech Owl, Short-eared Owl, Red-headed Woodpecker, Yellow-bellied Sapsucker, Cedar Waxwing, White-crowned Sparrow, Fox Sparrow.)—Mrs. Ruth Binsfeld, Mrs. Dwight Brooke (compiler), Woodward H. Brown, Oliver W. Graves, Mrs. Lester W. Haskell, Robert E. G. Norton, Mary Elizabeth Peck, Mary Ellen Warters (compiler).

425. Dubuque, Iowa (all points within a 15-mile diameter circle, center at Center Grove Cemetery, to include Linwood and Mt. Calvary Cemeteries, City Island, Dubuque's Grave Area, John Deere Area, Eagle Point Park, Wisconsin Sloughs).—Dec. 26; 7:30 a.m. to 3:30 p.m. Snowing, then clearing; temp. 27° to 21°; wind N, 18 m.p.h.; 1-in. fresh snow on 2-in. old snow, small sections of river open. Eight observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 40 (10 on foot, 30 by car). ► Common Goldeneye, 5; Common Merganser, 9; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 5; Herring Gull, 1; Belted Kingfisher, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 10; Blue Jay, 13; Common Crow, 15; Black-capped Chickadee, 14; Tufted Titmouse, 15; White-breasted Nuthatch, 5; Brown Creeper, 3; Golden-crowned Kinglet, 1; Starling, 48; House Sparrow, 58; Cardinal, 20; Pine Siskin, 26; Am. Goldfinch, 3; Red Crossbill, 3; Slate-colored Junco, 77; Tree Sparrow, 77; Song Sparrow, 2. **Total,** 30 species; about 449 individuals.—John Botten, George Crossley (compiler), Frieda Crossley, Joanne Gaber, Sharon Harrington, Clifford Johnson, Rick Kalvelage, Ival Schuster.

426. Estherville, Iowa (all points within a 15-mile diameter circle, center Estherville, to include Fort Degiance State Park, Swan Lake, Spirit Lake, Marble Lake, Christopherson's Slough, Ryan Lake, High Lake, Ingham Lake).—Dec. 27; 8 a.m. to 5 p.m. Partly cloudy; temp. 2° to 14°; wind NW, 5 m.p.h.; 8-in. snow cover. Six observers in 2 parties. Total party-hours, 18 (3 on foot, 15 by car); total party-miles, 90 (3 on foot, 87 by car). ► Red-tailed Hawk, 3; Marsh Hawk, 1; Ring-necked Pheasant, 63; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 13; Horned Lark, 104; Blue Jay, 5; Common Crow, 82; Black-capped Chickadee, 41; White-breasted Nuthatch, 11; Brown Creeper, 1; Starling, 10; House Sparrow, 157; Western Meadowlark, 3; Redwinged Blackbird, **100**; Rusty Blackbird, 2; **Brewer's Blackbird, 2**; Common Grackle, 3; Cardinal, 14; Am. Goldfinch, 4; Slate-colored Junco, 258; Tree Sparrow, **323**; **Harris' Sparrow, 6** (at feeder all month); **White-throated Sparrow, 1**; Song Sparrow, 4; Snow Bunting, 3. **Total,** 28 species; about 1233 individuals.—Mr. and Mrs. Myrl Jones, Mrs. B. A. La Doux, Mrs. J. B. Osher (compiler), Mr. and Mrs. Fred Wolden.

427. Iowa City, Iowa (all points within a 15-mile diameter circle, center same as previous years; open farmlands 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 23; 6:30 a.m. to 5:30 p.m. Snow showers; temp. −11° to 13°; wind SE, 8-12 m.p.h.; light snow cover, rivers, lakes and ponds frozen. Ten observers in 2 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 120 (10 on foot, 110 by car). ► Mallard, 1500; Black Duck, 5; Pintail, 1; Common Merganser, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, **35**; Harlan's Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, **24**; Marsh Hawk, 10; Bobwhite, 1; Ring-necked Pheasant, 13; Mourning Dove, 18; Screech Owl, 2; Barred Owl, 5; Long-eared Owl, **24**; Short-eared Owl, **18**; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 20; Horned Lark, 184; Blue Jay, 18; Common Crow, 141; Black-capped Chickadee, 46; Tufted Titmouse, 20; White-breasted Nuthatch, 10; Brown Creeper, 5; Brown Thrasher, 2; Golden-crowned Kinglet, 2; Starling, 64; House Sparrow, 647; Redwinged Blackbird, 4; Common Grackle, 6; Brown-headed Cowbird, 4; Cardinal, 109; Am. Goldfinch, 37; Slate-colored Junco, 311; Tree Sparrow, **1042**; White-crowned Sparrow, 2; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 8; Snow Bunting, 10. **Total,** 46 species; about 4387 individuals. (Seen in area count period, but not on count day: Saw-whet Owl, Northern Shrike, Harris' Sparrow, Lapland Longspur.)—Dave Anciaux, F. W. Kent (compiler), T. H. Kent, Fred Lesher, Jim Lewis, Thomas Morrissey, Max Pepernik, Pete Petersen, W. M. Weld, Mike Yeast.

428. Jefferson, Iowa (all points within a 15-mile diameter circle, center County Court House; most observations along Raccoon River and in Goose Lake Reserve; riverbottom forest 50%, upland forest 10%, savannah 14%, fields and prairies 25%, conifer stands 1%).—Dec. 31; 8 a.m. to 4 p.m.; temp. 25° to 31°; wind NW, 9-16 m.p.h.; river frozen, snow in shade only Three observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 36 (5 on foot, 31 by car). ► Red-tailed Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 3; Bobwhite, 2; Ring-necked Pheasant, 4; Mourning Dove, 3; Great Horned Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 13; Blue Jay, 15; Common Crow, 24; Black-capped Chickadee, 23; Tufted Titmouse, 2; White-

breasted Nuthatch, 1; Brown Creeper, 2; Starling, 120; House Sparrow, 110; Redwinged Blackbird, 1; Cardinal, 9; Am. Goldfinch, 4; Slate-colored Junco, 87; Tree Sparrow, 37; Song Sparrow, 7. **Total,** 27 species; about 497 individuals.—Bob Faaborg (compiler), Barry Martin, Larry McMillin.

429. Lamoni, Iowa (all points within a 15-mile diameter circle, center 2½ miles east of Lamoni; farmland, roadsides, river banks, woods).—Jan. 1; 8 a.m. to 4 p.m. Partly cloudy; temp. 25° to 31°; wind SE, 3 m.p.h.; ground bare, ponds and streams frozen. Six observers in 3 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 92 (6 on foot, 86 by car). ► Red-tailed Hawk, 9; Marsh Hawk, 9; Sparrow Hawk, 1; Mourning Dove, 8; Great Horned Owl, 1; Short-eared Owl, 5; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 25; Horned Lark, 40; Blue Jay, 24; Common Crow, 23; Black-capped Chickadee, 68; Tufted Titmouse, 13; White-breasted Nuthatch, 11; Brown Creeper, 1; **Mockingbird, 1**; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; shrike (sp.), 10; Starling, 165; House Sparrow, 149; meadowlark (sp.), 12; Redwinged Blackbird, 30; Cardinal, 92; Purple Finch, 2; Am. Goldfinch, 2; Slate-colored Junco, 251; Tree Sparrow, 515; Harris' Sparrow, 5; **Fox Sparrow, 1**; Song Sparrow, 4. **Total,** 34 species; about 1512 individuals. (Seen in area count period, but not on count day: Bobwhite, Ring-necked Pheasant, Common Grackle.)—Madeline Ballantyne, J. Donald Gillaspey (compiler), Dorothy Rauch, Rita Reynard, Mr. and Mrs. Ralph Silver.

430. Liscomb, Iowa (all points within a 15-mile diameter circle, center on Iowa River 2 miles west of Albion; deciduous wooded river and stream banks, hills and valleys 40%, open farmland 60%).—Jan. 1; 8:30 a.m. to 5 p.m. Overcast, fog early; temp. 17° to 22°; no wind; light snow cover, streams partly open. Two observers in 1 party. Total party-hours, 8½ (1½ on foot, 7 by car); total party-miles, 89 (3 on foot, 86 by car). ► Red-tailed Hawk, 1; Rough-legged Hawk, 4; Sparrow Hawk, 2; Ring-necked Pheasant, 5; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Downy Woodpecker, 10; Horned Lark, 15; Blue Jay, 5; Common Crow, 19; Black-capped Chickadee, 8; White-breasted Nuthatch, 11; Brown Creeper, 1; Starling, 83; House Sparrow, 145; Cardinal, 13; Am. Goldfinch, 3; Slate-colored Junco, 10; Tree Sparrow, 259. **Total,** 21 species; about 603 individuals.—Beth Proescholdt (compiler), Terry Proescholdt.

431. Mount Vernon, Iowa (all points within a 15-mile diameter circle, center Mount Vernon).—Dec. 24; 7:45 a.m. to 5 p.m. Clear; temp. 1° to 17°; wind S, 1-3 m.p.h.; channel partly open. Three observers in 1 party. Total party-hours, 8¼; total party-miles, ? (? on foot, ? by car). ► Mallard, 65; Red-tailed Hawk, 1; **Bald Eagle, 2**; Sparrow Hawk, 2; Ring-necked Pheasant, 4; **Common Snipe, 1** (close range); Mourning Dove, 12; Short-eared Owl, 1; **Red-bellied Woodpecker, 5; Downy Woodpecker**, 6; Horned Lark, 15; Blue Jay, 12; Common Crow, 13; Black-capped Chickadee, 40; Tufted Titmouse, 4; White-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 1; Starling, 47; House Sparrow, 111; Cardinal, 24; Am. Goldfinch, 4; Slate-colored Junco, 37; Tree Sparrow, 47; Song Sparrow, 2. **Total,** 25 species; about 462 individuals. (Seen in area count period, but not on count day: Yellow-shafted Flicker.)—Seddie Cogswell, Jr., J. David Ennis, J. Harold Ennis (compiler).

432. Shenandoah, Iowa (all points within a 15-mile diameter circle, center Farragut as previous years; river woods 20%, other deciduous woodlands including orchards 25%, coniferous woodland 10%, open farmland and prairie 45%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 25° to 33°; wind NW, 3 m.p.h.; ground clear, rivers, creeks mostly frozen. Seven observers in 2 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 167 (7 on foot, 160 by car). ► Red-tailed Hawk, 20; Rough-legged Hawk, 4; Marsh Hawk, 13; Sparrow Hawk, 11; Ring-necked Pheasant, 4; Mourning Dove, 32; Short-eared Owl, 17; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 6; Blue Jay, 17; Common Crow, 36; Black-capped Chickadee, 22; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 3; Loggerhead Shrike, 1; Starling, 317; House Sparrow, 437; Western Meadowlark, 42; Redwinged Blackbird, 10; Cardinal, 25; Am. Goldfinch, 47; Slate-colored Junco, 96; Tree Sparrow, 496; Harris' Sparrow, 13; White-crowned Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 9. **Total,** 37 species; about 1715 individuals. (Seen in area count period, but not on count day: Brown Creeper, Common Grackle.)—Mr. and Mrs. Robert I. Bordner, Mrs. Robert I. Bordner, Sr., Francis M. Braley, Mrs. Francis M. Braley (compiler), Mr. and Mrs. Edward C. Vaughn.

433. Sioux City, Iowa (all points within a 15-mile diameter circle, center Sioux City, to include Logan Park Cemetery, Graceland Cemetery, Floyd Park Cemetery, Lakeport Road, Memorial Park Cemetery, Half Moon Lake, Riverside Park, Stone Park).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 15° to 28°; wind NW, 15 m.p.h.; rivers and streams open, light snow on ground. Eleven observers in 6 parties. Total party-hours, 19 (2 on foot, 17 by car); total party-miles, 158 (4 on foot, 154 by car). ► Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 19; Sparrow Hawk, 5; Bobwhite, 2; Ring-necked Pheasant, 4; Mourning Dove, 30; Great Horned Owl, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 16; Horned Lark, 4; Blue Jay, 1; Common Crow, 76; Black-capped Chickadee, 42; White-breasted Nuthatch, 16; Brown Creeper, 7; Robin, 2; Golden-crowned Kinglet, 2;

Loggerhead Shrike, 1; Starling, 2500; House Sparrow, **5000**; Redwinged Blackbird, 100; Common Grackle, 90; Cardinal, 28; Pine Siskin, 5; Am. Goldfinch, 19; **Red Crossbill, 12**; Slate-colored Junco, 165; Tree Sparrow, 350; Harris' Sparrow, 30. **Total,** 34 species; about 8552 individuals.—Eunice Barrett, Mrs. W. W. Barrett, Mr. and Mrs. P. B. Davison, Mr. and Mrs. Darrell Hanna, George Marsh, L. J. Nickolsen, Mr. and Mrs. Robert L. Nickolson (compiler), Gertrude Weaver (Sioux City Bird Club).

434. Union Slough National Wildlife Refuge, Iowa (all points within a 15-mile diameter circle; 2077 acre waterfowl refuge 5½ miles west of Titonka; marsh and water 49%, upland grasslands and ash-elm-willow thickets 41%, cultivated croplands 10%).—Dec. 31; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 20° to 30°; wind N, 16 m.p.h.; very little open water at tile outlets, 1-in. snow. Four observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 8 (4 on foot, 4 by car). ► Mallard, 147; Black Duck, 3; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Ring-necked Pheasant, **1419**; Great Horned Owl, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 2; Blue Jay, 1; Common Crow, 5; Black-capped Chickadee, 29; **Northern Shrike, 1**; Redwinged Blackbird, 46; Tree Sparrow, 39. **Total,** 15 species; about 1704 individuals. (Seen in area count period, but not on count day: Short-eared Owl.)—Harold H. Burgess (compiler).

435. Wapsipinicon River Valley, Iowa (all points within a 15-mile diameter circle, center Section 2, Fremont Township, Bremer County, to include Bremer County Park, Sweet Marsh Refuge, Crane Creek, Plum Creek; deciduous woods 60%, prairie farmland 40%).—Dec. 31; 7:30 a.m. to 5:30 p.m. Few cirrus clouds; temp. 9° to 40°; wind SW, 0-10 m.p.h.; 4-in. snow cover, running water in river and creek. Ten observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 81 (30 on foot, 51 by car). ► Mallard, 1; Black Duck, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 13; Ring-necked Pheasant, 145; Mourning Dove, 10; Screech Owl, 1; Great Horned Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Pileated Woodpecker, 2; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 44; Hairy Woodpecker, 4; Downy Woodpecker, 21; Horned Lark, 25; Blue Jay, 57; Common Crow, 207; Black-capped Chickadee, 59; Tufted Titmouse, 14; White-breasted Nuthatch, 39; Brown Creeper, 2; Northern Shrike, 1; Starling, 142; House Sparrow, 290; Eastern Meadowlark, 8; Rusty Blackbird, 3; Common Grackle, 1; Cardinal, 36; Pine Siskin, 5; Am. Goldfinch, 10; Slate-colored Junco, 119; Tree Sparrow, 227; White-throated Sparrow, 1; Song Sparrow, 6. **Total,** 35 species; about 1534 individuals.—Myrle M. Burk (compiler), Martin L. Grant, Annette Haffner, Russell M. Hayes, Mrs. Lloyd Hewitt, Margaret Nagel, Brooks Shafer, George Swanson, Deborah Williams, Mrs. Eloise Williams.

436. Yellow River Forest, Iowa (all points within a 15-mile diameter circle, center NE corner Sec. 8 T96N, R3W).—Jan. 2; 8 a.m. to 4:30 p.m. Overcast; temp. 32° to 34°; wind W, 2 m.p.h. Three observers in 2 parties. Total party-hours, 15 (7 on foot, 8 by car); total party-miles, 153 (11 on foot, 141 by car, 1 by plane). ► Canada Goose, 11; Mallard, 5; Lesser Scaup, 4; Common Goldeneye, 5; Red-tailed Hawk, 4; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 6; Belted Kingfisher, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 2; Downy Woodpecker, 2; Common Crow, 6; Black-capped Chickadee, 11; White-breasted Nuthatch, 3; Starling, 20; Am. Goldfinch, 2; Slate-colored Junco, 34. **Total,** 19 species; about 120 individuals.—Andy Daubendiek, Bob Daubendiek, Roy Schultz (compiler).

437. Columbia, Mo. (all points within a 15-mile diameter circle, center Section 1, Twp. 47N, R13W, Boone County).—Jan. 1; 7:45 a.m. to 5 p.m. Overcast, clearing 3 p.m.; temp. 25° to 35°; wind SW, 1-3 m.p.h. Thirteen observers in 4 parties. Total party-hours, 14 (9 on foot, 5 by car); total party-miles, 102 (8 on foot, 94 by car). ► Canada Goose, 3; Mallard, 6000; Black Duck, 10; Pintail, 1; Common Merganser, 5; Red-tailed Hawk, 6; Bald Eagle, 2; Sparrow Hawk, 8; Bobwhite, 5; Herring Gull, 25; Ring-billed Gull, 25; Mourning Dove, 56; Screech Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 15; Horned Lark, 10; Blue Jay, 32; Common Crow, 30; Black-capped Chickadee, 25; Carolina Chickadee, 2; Tufted Titmouse, 15; White-breasted Nuthatch, 6; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 6; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Loggerhead Shrike, 8; Starling, 500; Myrtle Warbler, 2; House Sparrow, 150; Eastern Meadowlark, 25; Redwinged Blackbird, 36; Cardinal, 70; Am. Goldfinch, 2; Rufous-sided Towhee, 2; Slate-colored Junco, 120; Tree Sparrow, 106; Harris' Sparrow, 1; White-crowned Sparrow, 9; Fox Sparrow, 1; Song Sparrow, 10. **Total,** 47 species; about 7376 individuals.—I. C. Adams, David Easterla, Robert Eastman, Mrs. Robert Eastman, W. H. Elder, Mrs. Ezra Entrikin, Lisle Jeffrey, Mrs. Lisle Jeffrey (compiler), Lee Jenkins, Robert M. LaVal, James Salyer, Mary Alice Sherman, David Snyder (Columbia Audubon Society).

438. Kansas City, Mo.–Kans. (all points within a 15-mile diameter circle, center in Argentine, including Quivera Lake, Wyandotte County Lake, northwest end of Swope Park, areas along Missouri River, suburbs; open fields 20%, deciduous wooded lakes 30%, riverbottoms 20%, deciduous wooded parks 20%, suburbs 10%).—Jan. 1; 5 a.m. to 5:30 p.m. Cloudy, light snow; temp. 23° to 32°; wind SE, 5 m.p.h.; water areas half open. Eighteen observers in 6 parties. Total party-hours, 54 (37 on foot, 17 by car); total party-miles, 292 (57 on foot, 235 by car). ► Mallard, 14,155; Pintail, 4; Common Goldeneye, 1; Common Merganser, 158; Cooper's Hawk, 1; Red-tailed Hawk, 18; Rough-legged Hawk, 1; Sparrow Hawk, 8; Bobwhite, 22; gull (sp.), 1; Mourning Dove, 145;

Screech Owl, 3; Great Horned Owl, 3; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 104; **Red-shafted Flicker, 1**; Red-bellied Woodpecker, 60; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 23; Downy Woodpecker, 68; Horned Lark, 45; Blue Jay, 148; Common Crow, 124; Black-capped Chickadee, 151; Tufted Titmouse, 96; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 25; Winter Wren, 4; Carolina Wren, 5; Mockingbird, 8; Brown Thrasher, 1; Eastern Bluebird, 27; Golden-crowned Kinglet, 11; **Ruby-crowned Kinglet, 1**; **Water Pipit, 1** (E.C.); Cedar Waxwing, 12; Loggerhead Shrike, 2; Starling, 6800; Myrtle Warbler, 1; House Sparrow, 800; meadowlark (sp.), 3; Redwinged Blackbird, 33; Cardinal, 457; Purple Finch, 15; Pine Siskin, 33; Am. Goldfinch, 176; **Red Crossbill, 21**; Rufous-sided Towhee, 4 (1 Spotted); **Henslow's Sparrow, 1** (seen well—J.R.); Slate-colored Junco, 418; Oregon Junco, 8; Tree Sparrow, 103; Field Sparrow, 1; Harris' Sparrow, 39; White-crowned Sparrow, 5; White-throated Sparrow, 17; Fox Sparrow, 18; Lincoln's Sparrow, 3; Swamp Sparrow, 13; Song Sparrow, 61; Lapland Longspur, 300. **Total,** 63 species (1 additional race); about 24,788 individuals. (Seen in area count period, but not on count day: **Barn Owl,** Robin, Le Conte's Sparrow.)—Ted Anderson, Mrs. A. Dean Cole, Michael Furcolow, Rilla Hammat, Elizabeth Hodges, Mrs. James R. Meyers, Earl T. Newton, Esther L. O'Connor, James Pearce, Ted Pucci, Dean Rising, James Rising (compiler), Clarence Schutty, Mrs. Clarence Schutty, Bernice Tatum, Fletcher Taylor, Mrs. H. B. Wahl, Kenneth Weaver.

439. Orchard Farm, Mo. (all points within a 15-mile diameter circle, center Orchard Farm, to include Mississippi River bottomlands, sloughs, riverfront; bottomlands and sloughs 45%, untilled weed-grown fields 26%, tilled fields 29%).—Jan. 2; 8 a.m. to 4:15 p.m. Cloudy; temp. 31° to 37°; wind WNW, 5-9 m.p.h.; ground and water hard frozen. Twenty observers in 1 party. Total party-hours, 8¼ (7½ on foot, ¾ by car); total party-miles, 17 (4 on foot, 13 by car). ► Great Blue Heron, 3; Snow Goose, 10; Blue Goose, 71; Mallard, 489; Pintail, 1; Green-winged Teal, 1; Canvasback, 2; Lesser Scaup, 15; Common Goldeneye, 38; Common Merganser, 19; Red-tailed Hawk, 12; Harlan's Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 7; Sparrow Hawk, 3; Bobwhite, 1; Herring Gull, 28; Ring-billed Gull, 16; Mourning Dove, 12; Barred Owl, 1; Short-eared Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 167; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 35; Blue Jay, 19; Common Crow, 217; Black-capped Chickadee, 6; Tufted Titmouse, 18; White-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Robin, 6; Golden-crowned Kinglet, 8; Cedar Waxwing, 46; Loggerhead Shrike, 2; Starling, 838; Myrtle Warbler, 9; House Sparrow, 355; European Tree Sparrow, 106; Eastern Meadowlark, 7; Redwinged Blackbird, 1500; Rusty Blackbird, 500; Brewer's Blackbird, 2; Common Grackle, 257; Brown-headed Cowbird, 19; Cardinal, 16; Am. Goldfinch, 3; Slate-colored Junco, 16; Tree Sparrow, 29; White-crowned Sparrow, 1; White-throated Sparrow, 5; Swamp Sparrow, 3; Song Sparrow, 4; Lapland Longspur, 18. **Total,** 64 species; about 5010 individuals.—Sam Alfend, J. Lee Bess, Alberta Bolinger, George Cameron, J. Earl Comfort (compiler), Mike Flieg, Walter George, R. H. Hanselmann, Steve Hanselmann, Earl Hath, Mr. and Mrs. Joel Massie, John McDonald, Carl Niewoehner, R. C. Quade, Joe Stumpf, Mr. and Mrs. W. D. Vasse, Mr. and Mrs. Eugene Wilhelm, Jr. (St. Louis Audubon Society).

440. Springfield, Mo. (all points within a 15-mile diameter circle, center Lake Springfield, as in previous 3 years; lakeshore 20%, marshes 10%, deciduous woodlands 10%, open fields 20%, roadsides 40%).—Dec. 31; 8 a.m. to 5 p.m. Solid overcast; temp. 28° to 35°; no wind; no snow, water areas half frozen. Two observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 24 (4 on foot, 20 by car). ► **Double-crested Cormorant, 2**; Great Blue Heron, 1; Mallard, 2000; Pintail, 1; Green-winged Teal, 2; Common Merganser, 17; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Killdeer, 3; Common Snipe, 1; Mourning Dove, 37; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 32; Common Crow, 17; Carolina Chickadee, 4; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Carolina Wren, 1; Mockingbird, 2; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Starling, 10,000; House Sparrow, 200; Eastern Meadowlark, 7; Western Meadowlark, 12; Redwinged Blackbird, 67; Rusty Blackbird, 5; Common Grackle, 28; Brown-headed Cowbird, 72; Cardinal, 38; Purple Finch, 7; Am. Goldfinch, 14; Slate-colored Junco, 82; Oregon Junco, 5; Tree Sparrow, 48; Field Sparrow, 2; Harris' Sparrow, 2; White-crowned Sparrow, 27; White-throated Sparrow, 5; Fox Sparrow, 8; Lincoln's Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 118. **Total,** 50 species; about 12,903 individuals.—Christine Fay, N. Irving Fay (compiler).

441. Squaw Creek National Wildlife Refuge, Mo. (all points within a 15-mile diameter circle, center Refuge Headquarters 5 miles south of Mound City; deciduous woodlands 50%, lake and marsh 50%).—Dec. 26; 8 a.m. to 4:30 p.m. Overcast, clearing midmorning; temp. 26° to 31°; wind NNW, 5 m.p.h.; ground bare, pools partially frozen. Three observers in 1 party. Total party-hours, 8½ (3 on foot, 5½ by car); total party-miles, 38 (3 on foot, 35 by car). ► **White Pelican, 1** (cripple—K.K.); Canada Goose, 3500; Snow Goose, 3500; Blue Goose, 1500; Mallard, 150,000; Black Duck, 1; Pintail, 1; Shoveler, 2; Wood Duck, 2; Common Goldeneye, 1; Common Merganser, 24; Red-tailed Hawk, 21; Harlan's Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, **58**; Marsh Hawk, 7; Ring-necked Pheasant, 3; Herring Gull, 1;

Great Horned Owl, 1; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 5; Downy Woodpecker, 5; Blue Jay, 3; Common Crow, 9; Black-capped Chickadee, 9; Tufted Titmouse, 3; Brown Creeper, 1; Winter Wren, 1; Starling, 55; House Sparrow, 5; Redwinged Blackbird, 173; Cardinal, 48; Am. Goldfinch, 6; Slate-colored Junco, 79; Tree Sparrow, 200; Harris' Sparrow, 5; White-crowned Sparrow, 10; Lincoln's Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 9. **Total,** 40 species; about 159,275 individuals.—Kenneth Krumm (compiler), Mr. and Mrs. Floyd Lawhon.

442. Trimble Waterfowl Area, Mo. (all points within a 15-mile diameter circle, center Smithville, including Trimble Waterfowl Area and adjoining fields and woodlands; open fields 50%, deciduous wooded lakes 30%, deciduous wooded parks 20%). —Dec. 26; 6:45 a.m. to 4:30 p.m. Clear; temp. 32° to 34°; wind NW, 10-15 m.p.h.; water areas 5% open. Six observers in 3 parties. Total party-hours, 25 (22 on foot, 3 by car); total party-miles, 125 (25 on foot, 100 by car). ► Canada Goose, 600; Snow Goose, 1; Blue Goose, 3; Mallard, 2000; Black Duck, 5; Pintail, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Mourning Dove, 1; Great Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 22; Hairy Woodpecker, 2; Downy Woodpecker, 34; Horned Lark, 33; Blue Jay, 31; Common Crow, 44; Black-capped Chickadee, 87; Tufted Titmouse, 28; White-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 4; Carolina Wren, 2; Mockingbird, 8; Brown Thrasher, 1; Robin, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 6; Cedar Waxwing, 11; Loggerhead Shrike, 11; Starling, 86; House Sparrow, 155; Eastern Meadowlark, 1; meadowlark (sp.), 15; Redwinged Blackbird, 9; Rusty Blackbird, **45**; Cardinal, 78; Am. Goldfinch, 8; Rufous-sided Towhee, 1; Le Conte's Sparrow, 2; Slate-colored Junco, 119; Oregon Junco, 3; Tree Sparrow, 392; Harris' Sparrow, 20; White-crowned Sparrow, 11; White-throated Sparrow, 9; Lincoln's Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 24. **Total,** 52 species; about 3960 individuals.—Felicia Bart, Elizabeth Cole, Jo Isenberger, Dean Rising, James Rising (compiler), Hester Wilson (Burroughs Nature Club).

443. Weldon Springs, Mo. (all points within a 15-mile diameter circle, center Weldon Springs, including August A. Busch Wildlife Management Area as in previous years).—Jan. 2; 8 a.m. to 4:30 p.m. Overcast; temp. 31° to 34°; wind SW, 5 m.p.h.; ponds and streams frozen. Fifteen observers in 9 parties. Total party-hours, 54 (50 on foot, 4 by car); total party-miles, 46 (36 on foot, 10 by car). ► Canada Goose, 656; Mallard, 829; Black Duck, 6; Gadwall, 1; Pintail, 10; Ring-necked Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 20; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 9; Sparrow Hawk, 5; Bobwhite, 21; Ring-necked Pheasant, 1; Mourning Dove, 78; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 6; Red-bellied Woodpecker, 57; Red-headed Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 42; Horned Lark, 2; Blue Jay, 142; Common Crow, 283; Carolina Chickadee, 35; Tufted Titmouse, 40; White-breasted Nuthatch, 18; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 17; Robin, 176; Eastern Bluebird, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 47; Loggerhead Shrike, 3; Starling, 275; House Sparrow, 179; Eastern Meadowlark, 18; Redwinged Blackbird, 153; Rusty Blackbird, 75; Common Grackle, 1; Cardinal, 241; Purple Finch, 4; Am. Goldfinch, 128; Rufous-sided Towhee, 2; Slate-colored Junco, 473; Oregon Junco, 1; Tree Sparrow, 341; Field Sparrow, 17; White-crowned Sparrow, 47; White-throated Sparrow, 9; Fox Sparrow, 31; Swamp Sparrow, 21; Song Sparrow, 26. **Total,** 57 species; about 4597 individuals.—Robert C. Ahlvin, Alberta Bolinger, Duis Bolinger, J. Earl Comfort, James F. Comfort (compiler), Mike Flieg, Wally George, Connie Hath, Earl Hath, Joel Massie, Tony McCall, John P. McDonald, Joe Stumpf, Gregg Tichacek, Dorothea Vogel (Webster Groves Nature Study Society).

444. El Dorado, Ark. (all points within a 15-mile diameter circle, center bridge on Champagnolle Road spanning Salt Creek; bottomland hardwood 41%, upland pine-oak 33%, fields 20%, open water 6%). —Dec. 31; 2 a.m. to 5:30 p.m. Constant rain till 3 p.m.; temp. 33° to 41°; wind N, 5-30 m.p.h. Eighteen observers in 4 parties. Total party-hours, 46 (21 on foot, 24 by car, 1 by boat); total party-miles, 382 (27 on foot, 354 by car, 1 by boat). ► **Common Loon, 1** (present since Nov. 20); Pied-billed Grebe, 11; Great Blue Heron, 8; Canada Goose, 7; Mallard, 2; Pintail, 1; Green-winged Teal, 2; Wood Duck, 30; Hooded Merganser, 1; duck (sp.), 14; Turkey Vulture, 30; Black Vulture, 20; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Sparrow Hawk, 8; Bobwhite, 15; Am. Coot, 13; Killdeer, 3; Mourning Dove, 46; Screech Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 56; Pileated Woodpecker, 3; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 11; Eastern Phoebe, 6; Blue Jay, 176; Common Crow, 59; Carolina Chickadee, 30; Tufted Titmouse, 28; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 3; Winter Wren, 4; Bewick's Wren, 1; Carolina Wren, 52; Mockingbird, 43; Brown Thrasher, 33; Robin, 6071; Hermit Thrush, 10; Eastern Bluebird, 20; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 119; Cedar Waxwing, 26; Loggerhead Shrike, 8; Starling, 67; **Orange-crowned Warbler, 1** (carefully identified); Myrtle Warbler, 128; Pine Warbler, 13; House Sparrow, 79; Eastern Meadowlark, 103; Redwinged Blackbird, 5; Rusty Blackbird, 139; Brewer's Blackbird, 2; Common Grackle, 25,639; Cardinal, 278; Purple Finch, 9; Am. Goldfinch, 166; Rufous-sided Towhee, 13; Savannah Sparrow, 9; Le Conte's Sparrow, **9** (intense coverage); Slate-colored Junco, 608; Field Sparrow, 38; White-crowned Sparrow, 1; White-throated Sparrow, 516; Fox Sparrow, 29; Lincoln's Sparrow, 9; Swamp Sparrow, 43; Song Sparrow,

139. **Total,** 71 species; about 34,133 individuals. (Seen in area count period, but not on count day: **Horned Grebe**, Bald Eagle, Brown Creeper, House Wren.)—Carl R. Amason, Charles Born, Mr. and Mrs. Dudley C. Born, Lois M. Giles, Mr. and Mrs. Michael Joffe, Mr. and Mrs. W. Lynne Goodwin, Dr. and Mrs. Hilery E. Hanna, Archilee Harmon, Paul Mattocks, Philip Mattocks, Jr. (co-compiler), Pat Parker, Hank Shugart (co-compiler), Mr. and Mrs. H. H. Shugart.

445. Fort Smith, Ark.–Moffett, Okla. (all points within a 15-mile diameter circle, center at intersection of Hendricks Blvd. and Cliff Drive; riverbank and riverbottom fields 27%, riverbottoms deciduous woods 23%, upland deciduous wood 43%, upland fields, pastures, and airport 6%, farm ponds and lakes 1%).—Dec. 26; 6:30 a.m. to 6 p.m. Clear; temp. 33° to 55°; wind WNW, 7 m.p.h. Twenty-three observers in 7 parties. Total party-hours, 55 (31 on foot, 24 by car); total party-miles, 393 (34 on foot, 359 by car). ► Great Blue Heron, 16; Mallard, 347; Wood Duck, 2; Turkey Vulture, 3; Cooper's Hawk, 2; Red-tailed Hawk, 21; Red-shouldered Hawk, 2; Marsh Hawk, 15; Sparrow Hawk, 31; Bobwhite, 56; Killdeer, 28; Common Snipe, 3; Mourning Dove, 89; Great Horned Owl, 4; Barred Owl, 1; Yellow-shafted Flicker, 68; Pileated Woodpecker, 3; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 59; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 15; Horned Lark, 83; Blue Jay, 162; Common Crow, 313; Fish Crow, 4; crow (sp.), 52; Carolina Chickadee, 65; Tufted Titmouse, 34; Brown Creeper, 8; Carolina Wren, 10; Mockingbird, 74; Brown Thrasher, 7; Robin, 72; Hermit Thrush, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 11; Cedar Waxwing, 56; Loggerhead Shrike, 21; Starling, 635; Myrtle Warbler, 1; House Sparrow, 102; Eastern Meadowlark, 320; meadowlark (sp.), 106; Redwinged Blackbird, 651; Common Grackle, 79; Brown-headed Cowbird, 10; blackbird (sp.), 1727; Cardinal, 128; Purple Finch, 7; Am. Goldfinch, 44; Rufous-sided Towhee, 11; Savannah Sparrow, 7; Slate-colored Junco, 177; Field Sparrow, 37; Harris' Sparrow, 15; White-crowned Sparrow, 71; White-throated Sparrow, 204; Fox Sparrow, 2; Lincoln's Sparrow, 5; Swamp Sparrow, 5; Song Sparrow, 59; Smith's Longspur, 27. **Total,** 61 species; about 6204 individuals.—Ruth Armstrong, Bill Beall (compiler), Earl Bishop, Donald Corbin, Mr. and Mrs. Russell Corbin, Mary Dearinger, Mr. and Mrs. C. W. Dearinger, Judy Dyrhood, Jerry Hinkle, Delbert Holder, Larry La Fontaine, Susan La Fontaine, Larry Merrywell, John Price, Gerald G. Raun, Dr. and Mrs. M. M. Roberts, George Rudy, Mr. and Mrs. Glenn Springer, Bill Stewart.

446. Little Rock, Ark. (all points within a 15-mile diameter circle, center at Fort Roots, North Little Rock as in past years).—Dec. 31; 7:15 a.m. to 5:15 p.m. Rain, sleet and snow all day; temp. 32° to 34°; wind N, 8-12 m.p.h. Twenty-four observers in 8 parties. Total party-hours, 49 (30 on foot, 19 by car); total party-miles, 142 (15 on foot, 117 by car, 10 by horse). ► Mallard, 13; Turkey Vulture, 8; Red-tailed Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 7; Bobwhite, 50; Killdeer, 11; Common Snipe, 6; Mourning Dove, 40; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 20; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 21; Blue Jay, 134; Common Crow, 105; Carolina Chickadee, 71; Tufted Titmouse, 65; White-breasted Nuthatch, 22; Brown-headed Nuthatch, 2; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 15; Mockingbird, 39; Brown Thrasher, 13; Robin, 48; Eastern Bluebird, 33; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 19; Cedar Waxwing, 82; Loggerhead Shrike, 2; Starling, 3504; Pine Warbler, 7; House Sparrow, 237; Eastern Meadowlark, 195; Red-winged Blackbird, 3650; Rusty Blackbird, 12; Brewer's Blackbird, 5; Common Grackle, 7511; Cardinal, 143; **Rose-breasted Grosbeak, 1** (heard singing—Mrs. W. S.) [if grosbeak, more likely Black-headed—Ed.]; Am. Goldfinch, 62; Rufous-sided Towhee, 34; **Bachman's Sparrow, 1** [unsatisfactory details—Ed.]; Slate-colored Junco, 302; Field Sparrow, 163; Harris' Sparrow, 12; White-crowned Sparrow, 4; White-throated Sparrow, 285; Song Sparrow, 39. **Total,** 55 species; about 17,044 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Hermit Thrush, Myrtle Warbler, Brown-headed Cowbird.)—H. K. Bell, A. L. Butler, Mr. and Mrs. Cleveland Cabler, H. H. Daniel (compiler), Richard N. Deed, Thomas C. Eubanks, Sue H. Glass, Mrs. John Galarowitz, Vicki Galarowitz, Janice Hackman, Henry and Edith Halberg, Ross and Atha Jamison, Neal and Pat Jamison Moore, John Pyle, Lee Pearcy, Mrs. John F. Rea, Susan Reid, Anthony Rogoski, William and Vivian Scarlett (Pulaski County Audubon Society).

447. Lonoke, Ark. (all points within a 15-mile diameter circle, center 1 mile SE of the middle of Lonoke as before; shrubby old fields, fencerows and roadsides 37%, pond and lake 19%, deciduous forest bottoms 15%, cropland 13%, grassland and pasture 9%, flooded forest bottoms 5%, town and barnyard 2%).—Dec. 26; 6:45 a.m. to 6:15 p.m. Clear except for early morning overcast; temp. 50° to 60°; wind SW to NE, 6-15 m.p.h.; exceptionally dry, water restricted to reservoirs. Seventeen observers in 6 parties. Total party-hours, 49 (26 on foot, 22 by car, 1 by boat); total party-miles, 299 (31 on foot, 266 by car, 2 by boat). ► Great Blue Heron, 8; Canada Goose, 30; Snow Goose, 11; Blue Goose, 68; goose (sp.), 800; Mallard, 50,668; Black Duck, 5; Gadwall, 10; Pintail, 121; Green-winged Teal, 20; **Blue-winged Teal, 2** (W.P.S.); Am. Widgeon, 57; Shoveler, 7; Wood Duck, 14; Redhead, 4; Ring-necked Duck, 44; Canvasback, 149; Lesser Scaup, 49; Bufflehead, **501**; duck (sp.), 30,070; Turkey Vulture, 26; Black Vulture, 2; Red-tailed Hawk, 38; Red-shouldered Hawk, 2; Marsh Hawk, 37; Sparrow Hawk, 25; Bobwhite, 39; rail (sp.), 1; Am. Coot, 46; Killdeer, 99; Common Snipe, 95; Lesser Yellowlegs, 3; Least Sandpiper, 150; **Ring-billed Gull, 6** (H.H., E.H.); Mourning

Dove, 189; Great Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 51; Pileated Woodpecker, 8; Red-bellied Woodpecker, 51; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 21; Eastern Phoebe, 1; Horned Lark, 20; Blue Jay, 77; Common Crow, 19; Carolina Chickadee, 19; Tufted Titmouse, 13; Brown Creeper, 5; **House Wren, 1** (D.J.); Winter Wren, 5; Bewick's Wren, 1; Carolina Wren, 13; Long-billed Marsh Wren, 1; Mockingbird, 42; Brown Thrasher, 12; Robin, 83; Hermit Thrush, 4; Eastern Bluebird, 20; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 22; Water Pipit, 25; Cedar Waxwing, 11; Loggerhead Shrike, 85; Starling, 715; Myrtle Warbler, 9; House Sparrow, 422; Eastern Meadowlark, 228; Western Meadowlark, 1; Redwinged Blackbird, 14,628; Rusty Blackbird, 472; Brewer's Blackbird, 1219; Common Grackle, 15,259; Brown-headed Cowbird, 13,806; blackbird (sp.), 13,810; Cardinal, 147; Am. Goldfinch, 12; Rufous-sided Towhee, 40; Savannah Sparrow, 70; Le Conte's Sparrow, 7; Vesper Sparrow, 12; Slate-colored Junco, 79; Field Sparrow, 41; Harris' Sparrow, 2; White-crowned Sparrow, 59; White-throated Sparrow, 431; Fox Sparrow, 2; **Lincoln's Sparrow, 2** (W.M.S., I.B.); Swamp Sparrow, 23; Song Sparrow, 149; Lapland Longspur, 107; Smith's Longspur, 4. **Total,** 93 species; about 145,812 individuals.—Irving T. Beach, Kenneth Brewer, Herbert H. Daniel, Edith M. Halberg, Henry N. Halberg, Douglas James (compiler), Atha Jamison, Ross Jamison, Keith Johnston, Marian Johnston, Ted H. Johnston, Wayne Johnston, Paul K. McCoy, Vivian B. Scarlett, William P. Scarlett, William Shepherd, William M. Shepherd, Jr. (Arkansas Audubon Society).

448. Texarkana, Ark.–Tex. (all points within a 15-mile diameter circle, center 2 miles NE of Texarkana).—Dec. 26; 7 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 50° to 60°; wind SSW, 9 m.p.h. Fourteen observers in 4 parties. Total party-hours, 28 (18 on foot, 10 by car); total party-miles, 160 (24 on foot, 136 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 8; Mallard, 2; Pintail, 52; Shoveler, 4; Turkey Vulture, 101; Black Vulture, 7; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 8; Rough-legged Hawk, 3; Marsh Hawk, 5; Sparrow Hawk, 21; Bobwhite, 32; Killdeer, 73; Mourning Dove, 29; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 8; Horned Lark, 5; Blue Jay, 68; Common Crow, 71; Fish Crow, 1; Carolina Chickadee, 17; Tufted Titmouse, 17; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 7; Short-billed Marsh Wren, 1; Mockingbird, 29; **Catbird, 1** (D.W.); Brown Thrasher, 17; Robin, 474; Hermit Thrush, 5; Eastern Bluebird, 24; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 15; Water Pipit, 4; Sprague's Pipit, 4; Cedar Waxwing, 21; Loggerhead Shrike, 39; Starling, 1473; Orange-crowned Warbler, 1; Myrtle Warbler, 16; Pine Warbler, 1; House Sparrow, 102; Eastern Meadowlark, 138; Redwinged Blackbird, 1569; Brewer's Blackbird, 44; Common Grackle, 215; Brown-headed Cowbird, 1991; blackbird (sp.), 2300; Cardinal, 70; Purple Finch, 12; Am. Goldfinch, 92; Rufous-sided Towhee, 12; Savannah Sparrow, 27; Slate-colored Junco, 156; Field Sparrow, 26; White-crowned Sparrow, 1; White-throated Sparrow, 78; Fox Sparrow, 8; Swamp Sparrow, 5; Song Sparrow, 9; Lapland Longspur, 25. **Total,** 71 species; about 9628 individuals. (Seen in area count period, but not on count day: Roadrunner, **Summer Tanager.**)—Marty Beck, N. A. Bentley, Charles Gardner (compiler), Mrs. Charles Gardner, Dale Gardner, Gale Gardner, George Hoffman, Don Kyle, John T. Logan, Mrs. Boyce Pagan, Lynn Rice, Mrs. Roy Snow, Don Woodard.

449. New Orleans, La. (all points within a 15-mile diameter circle, center 1 mile from Highway 39 along Orleans-St. Bernard Parish line north of Arabi; urban 50%, woodlands and fields 30%, marshlands 5%, parks 10%, lake and lakefront 5%).—Dec. 26; 5 a.m. to 11:45 p.m. Heavy showers with fog; temp. 57° to 68°; wind SE, 0-6 m.p.h. Nine observers in 4 parties. Total party-hours, 36 (16 on foot, 20 by car); total party-miles, 188 (16 on foot, 172 by car). ► Pied-billed Grebe, 9; Great Blue Heron, 6; Little Blue Heron, 2; Cattle Egret, **22** (nests locally); Common Egret, 89; Snowy Egret, 2; Louisiana Heron, 1; Mallard, 1; Mottled Duck, 3; Blue-winged Teal, 2; Ring-necked Duck, 16; Canvasback, 1; Lesser Scaup, 8; Turkey Vulture, 30; Black Vulture, 30; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 31; Red-shouldered Hawk, 23; Marsh Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 22; Bobwhite, 1; King Rail, 1; Clapper Rail, 1; Virginia Rail, 6; Sora, 14; Am. Coot, 44; Killdeer, 48; Common Snipe, 22; Greater Yellowlegs, 26; Lesser Yellowlegs, 12; Dunlin, 32; Herring Gull, 98; Ring-billed Gull, 852; Laughing Gull, 50; Gull-billed Tern, 4; Forster's Tern, 6; Royal Tern, 4; Caspian Tern, 1; Mourning Dove, 159; **Groove-billed Ani, 10** (carefully—S.A.G.); Barn Owl, 1; Screech Owl, 2; Barred Owl, 2; **Common Nighthawk, 1** (all field marks—S.A.G., M.L.); **Ruby-throated Hummingbird, 1**; Belted Kingfisher, 6; Yellow-shafted Flicker, 45; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 7; Downy Woodpecker, 26; **Ash-throated Flycatcher, 1** (collected); Eastern Phoebe, 18; **Vermilion Flycatcher, 2**; Tree Swallow, **11,276**; Blue Jay, 102; Common Crow, 262; Fish Crow, 111; Carolina Chickadee, 87; Tufted Titmouse, 13; Brown Creeper, 13; House Wren, 24; Carolina Wren, 41; Long-billed Marsh Wren, 16; Mockingbird, 132; Catbird, **16**; Brown Thrasher, 8; Robin, 275; Hermit Thrush, 1; Blue-gray Gnatcatcher, 45; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 87; Water Pipit, 55; **Sprague's Pipit, 1** (carefully identified—M.L.); Cedar Waxwing, 91; Loggerhead Shrike, 27; Starling, 1210; White-eyed Vireo, 2; Solitary Vireo, **8**; Black-and-white Warbler, 4; Orange-crowned Warbler, 69; Myrtle Warbler, 157; **Black-throated Green Warbler, 1** (Evans); Palm Warbler, 6; Yellowthroat, 26;

House Sparrow, 256; Eastern Meadowlark, 86; Western Meadowlark, 8; Redwinged Blackbird, 16,050; Rusty Blackbird, 1; Boat-tailed Grackle, 3508; Common Grackle, 830; Brown-headed Cowbird, 160; Cardinal, 199; Am. Goldfinch, 301; Rufous-sided Towhee, 29; Savannah Sparrow, 23; **Sharp-tailed Sparrow, 2**; **Seaside Sparrow, 12**; Vesper Sparrow, 47; White-crowned Sparrow, **27**; White-throated Sparrow, 248; **Fox Sparrow, 2** (seen and heard—S.A.G.); Lincoln's Sparrow, 3; Swamp Sparrow, 151; Song Sparrow, 2. **Total,** 109 species; about 37,964 individuals. (Seen in area count period, but not on count day: Bonaparte's Gull, Purple Finch.)—Mr. and Mrs. H. A. J. Evans, Sidney J. Garic, Sidney A. Gauthreaux, Jr. (compiler), William J. Graber III, John M. Holmes, Mary Lewis, Buford M. Myers, Mac Myers.

450. Sabine National Wildlife Refuge, La. (all points within a 15-mile diameter circle, center in west cove of Calcasieu Lake 5½ miles NW of Cameron as last year; marsh 50%, lakes and bayous 20%, woods 10%, prairie 10%, beach and jetties 7%, town 3%).—Jan. 1; 2 a.m. to 6 p.m. Cloudy; temp. 38° to 50°; wind NW, 8-15 m.p.h. Twenty-four observers in 9 parties. Total party-hours, 78 (44 on foot, 24 by car, 10 by boat); total party-miles, 293 (50 on foot, 205 by car, 38 by boat; including 3½ hours and 60 car miles at night). ► Common Loon, 7; Horned Grebe, 2; Pied-billed Grebe, 99; White Pelican, 146; Double-crested Cormorant, 251; Olivaceous Cormorant, 94; Great Blue Heron, 87; Little Blue Heron, 127; **Cattle Egret, 1**; **Reddish Egret, 1** (numerous observers); Common Egret, 335; Snowy Egret, 238; Louisiana Heron, 254; Black-crowned Night Heron, 115; Yellow-crowned Night Heron, 5; Am. Bittern, 14; White-faced Ibis, 2103; White Ibis, 65; **Roseate Spoonbill, 133**; Canada Goose, 92; White-fronted Goose, 30; Snow Goose, 24,500; Blue Goose, 45,500 (refuge manager); Mallard, 661; Black Duck, 20; Mottled Duck, 18; Gadwall, 2100; Pintail, 2973; Green-winged Teal, 274; Blue-winged Teal, 638; Am. Widgeon, 2773; Shoveler, **3554**; Redhead, 9; Ring-necked Duck, 9; Greater Scaup, 2; Lesser Scaup, 350; Common Goldeneye, 10; Bufflehead, 32; **Oldsquaw, 1** (carefully identified—K.M., L.W.); Ruddy Duck, 11; Hooded Merganser, 38; Red-breasted Merganser, 29; Turkey Vulture, 18; Black Vulture, 2; Red-tailed Hawk, **52**; Red-shouldered Hawk, 2; **Rough-legged Hawk, 2** (carefully identified); Marsh Hawk, 79; Peregrine Falcon, 5; Pigeon Hawk, 1; Sparrow Hawk, 35; Bobwhite, 37; King Rail, 19; Clapper Rail, 27; Virginia Rail, 1; Sora, 1; Common Gallinule, **398**; Am. Coot, 4782; Semipalmated Plover, 10; Piping Plover, 6; Killdeer, 406; Black-bellied Plover, 158; Ruddy Turnstone, 33; Common Snipe, 76; Long-billed Curlew, **113**; Spotted Sandpiper, 5; Willet, 131; Greater Yellowlegs, 58; Lesser Yellowlegs, 244; Least Sandpiper, 176; Dunlin, 473; Short-billed Dowitcher, 8; Long-billed Dowitcher, 20; Semipalmated Sandpiper, 8; Western Sandpiper, 255; Sanderling, 120; Am. Avocet, 151; **Black-necked Stilt, 4** (no question); Herring Gull, 189; Ring-billed Gull, 427; Laughing Gull, 195; Bonaparte's Gull, 26; Gull-billed Tern, 34; Forster's Tern, 152; Common Tern, 3; Royal Tern, 43; Caspian Tern, 36; Black Skimmer, 340; Mourning Dove, 7; Barn Owl, 11; Screech Owl, 5; Burrowing Owl, 1; Short-eared Owl, 4 (many this year); Belted Kingfisher, 58; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 4; Vermilion Flycatcher, 2; Tree Swallow, 952; Blue Jay, 9; Fish Crow, 19; Carolina Chickadee, 3; House Wren, 8; Winter Wren, 4; Long-billed Marsh Wren, 18; Short-billed Marsh Wren, 13; Mockingbird, 15; Catbird, 4; Brown Thrasher, 28; Robin, 419; Hermit Thrush, 1; Blue-gray Gnatcatcher, 77; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 111; Water Pipit, 334; Sprague's Pipit, **91** (all field marks and notes—R.A. party); Loggerhead Shrike, 60; Starling, 3045; White-eyed Vireo, 4; Solitary Vireo, 3; Orange-crowned Warbler, 24; Myrtle Warbler, 7; Palm Warbler, 1; Yellowthroat, 29; Yellow-breasted Chat, 1; House Sparrow, 132; Eastern Meadowlark, 324; Western Meadowlark, 1; Redwinged Blackbird, 2905; Brewer's Blackbird, 8; Boat-tailed Grackle, 3114; Common Grackle, 10; Brown-headed Cowbird, 25; Cardinal, 33; Am. Goldfinch, 31; Rufous-sided Towhee, 2; Savannah Sparrow, 205; Grasshopper Sparrow, 1; Le Conte's Sparrow, 2; Sharp-tailed Sparrow, 18; Seaside Sparrow, 44; Vesper Sparrow, 1; Slate-colored Junco, 2; **Harris' Sparrow, 1**; White-throated Sparrow, 92; **Fox Sparrow, 1**; Lincoln's Sparrow, 3; Swamp Sparrow, 64; Song Sparrow, 15. **Total,** 153 species; about 109,500 individuals.—Mr. and Mrs. Ralph Andrews, Robert F. Andrle, Mr. and Mrs. George C. Band, Michael E. Caldwell, L. Austin Fontenot, Jr., Fred Fontenot, John P. Gee (compiler), Edward Jeansonne, Electa D. Levi, Dr. and Mrs. George H. Lowery, Robert B. Moore, Kent E. Myers, Mac Myers, Robert J. Newman, Mr. and Mrs. L. P. O'Meallie, Dick S. Payne, Ava R. Tabor, Ellen A. Taylor, Stuart L. Warter, Lovett E. Williams.

451. St. Francisville, La. (all points within a 15-mile diameter circle, center 7 miles south of St. Francisville as in 1945 and subsequent years; river and lake shore 30%, fields 28%, deciduous bottomland 27%, hardwood upland 10%, marsh 3%, pine woods 2%).—Dec. 26; 5:30 a.m. to 5:30 p.m. Foggy to partly cloudy; temp. 55° to 71°; wind W, 5 m.p.h. Fourteen observers in 5 parties. Total party-hours, 51 (27 on foot, 24 by car); total party-miles, 193 (29 on foot, 164 by car). ► Horned Grebe, 18; Pied-billed Grebe, 111; Double-crested Cormorant, 1; Great Blue Heron, 5; Common Egret, 11; Am. Bittern, 1; Mallard, 15; Gadwall, 5; Green-winged Teal, 24; Am. Widgeon, 1; Redhead, 1; Ring-necked Duck, 11; Canvasback, 79; Lesser Scaup, 117; Common Goldeneye, 4; Bufflehead, 2; Ruddy Duck, 104; Turkey Vulture, 14; Black Vulture, 182; Cooper's Hawk, 1; Red-tailed Hawk, 26; Red-shouldered Hawk, 9; Marsh Hawk, 2; Sparrow Hawk, 17; Bobwhite, 22; **Common Gallinule, 4** (100 yds.—Moores); Am. Coot, 4592; Killdeer, 120; Common Snipe, 15; Least Sandpiper, 41; Herring Gull, 2; Ring-billed Gull, 16;

Mourning Dove, 33; Barn Owl, 1; Screech Owl, 4; Great Horned Owl, 2; Barred Owl, 4; Belted Kingfisher, 30; Yellow-shafted Flicker, 25; Pileated Woodpecker, 6; Red-bellied Woodpecker, 87; Red-headed Woodpecker, 63; Yellow-bellied Sapsucker, 44; Hairy Woodpecker, 5; Downy Woodpecker, 52; Eastern Phoebe, 26; Tree Swallow, 20; Rough-winged Swallow, 7; Blue Jay, 80; Common Crow, 564; Fish Crow, 376; Carolina Chickadee, 60; Tufted Titmouse, 54; **Red-breasted Nuthatch, 2** (1 each by 2 widely separated parties); Brown Creeper, 3; House Wren, 11; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 99; Short-billed Marsh Wren, 1; Mockingbird, 95; Catbird, 1; Brown Thrasher, 88; Robin, 272; Hermit Thrush, 1; Eastern Bluebird, 27; Blue-gray Gnatcatcher, 8; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 151; Water Pipit, 177; Cedar Waxwing, 185; Loggerhead Shrike, 58; Starling, 380; Solitary Vireo, 3; Orange-crowned Warbler, 9; Myrtle Warbler, 244; Pine Warbler, 2; Palm Warbler, 5; Yellowthroat, 16; House Sparrow, 115; Eastern Meadowlark, 104; Western Meadowlark, 1; Redwinged Blackbird, 917; Rusty Blackbird, 32; Brewer's Blackbird, 15; Common Grackle, 700; Brown-headed Cowbird, 143; Cardinal, 259; Purple Finch, 5; Am. Goldfinch, 147; Rufous-sided Towhee, 65; Savannah Sparrow, 28; Vesper Sparrow, 2; Slate-colored Junco, 15; Field Sparrow, 84; White-throated Sparrow, 832; Fox Sparrow, 2; Swamp Sparrow, 98; Song Sparrow, 13. **Total,** 99 species; about 12,538 individuals.—Robert F. Andrle, Barbara M. Bodman, Phillip A. Callahan, Edward J. Jeansonne, Nelda Kilcrease, Douglas M. Lay, George H. Lowery, Jr., Jean Lowery, Mary Ann Moore, Robert B. Moore (compiler), Robert J. Newman, Thomas B. Pugh, Ellen A. Taylor, Stuart L. Warter.

452. Shreveport, La. (all points within a 15-mile diameter circle, center 3 miles south of Blanchard; open fields and pastures 20%, brushy fields and edges 32%, deciduous woods 25%, pine woods 12%, wooded lake 3%, open lake and ponds 8%).—Dec. 26; 5 a.m. to 5:45 p.m. Overcast to partly cloudy; temp. 48° to 64°; wind S to W to NNE, 5-9 m.p.h. Nine observers in 6 parties. Total party-hours, 72 (39 on foot, 31 by car, 2 by boat); total party-miles, 368 (58 on foot, 294 by car, 16 by boat). ► Common Loon, 3; grebe (Eared or Horned), 1; Pied-billed Grebe, 5; Double-crested Cormorant, 2; Great Blue Heron, 19; **Green Heron,** 1; Common Egret, 1; Mallard, 21; Pintail, 14; Green-winged Teal, 2; Wood Duck, **49**; Canvasback, 5; Lesser Scaup, 11; Turkey Vulture, 25; Black Vulture, 15; Sharp-shinned Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 14; Bobwhite, 30; Am. Coot, 2; Killdeer, 183; Common Snipe, 54; Herring Gull, 7; Ring-billed Gull, 100; Bonaparte's Gull, 1; Mourning Dove, 120; Roadrunner, 2; Screech Owl, 3; Great Horned Owl, 5; Barred Owl, 15; Belted Kingfisher, 9; Yellow-shafted Flicker, 74; Pileated Woodpecker, 7; Red-bellied Woodpecker, 75; Red-headed Woodpecker, 19; Yellow-bellied Sapsucker, 25; Hairy Woodpecker, 17; Downy Woodpecker, 36; Red-cockaded Woodpecker, 7; Eastern Phoebe, 11; Blue Jay, 258; Common Crow, 199; Fish Crow, 2; Carolina Chickadee, 144; Tufted Titmouse, 145; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 13; Brown Creeper, 8; House Wren, 5; Winter Wren, 6; Bewick's Wren, 5; Carolina Wren, 142; Short-billed Marsh Wren, 1; Mockingbird, 143; Brown Thrasher, 110; Robin, 1242; Hermit Thrush, 31; Eastern Bluebird, 54; **Blue-gray Gnatcatcher,** 1; Golden-crowned Kinglet, 92; Ruby-crowned Kinglet, 164; Water Pipit, 43; Sprague's Pipit, 1; Cedar Waxwing, 610; Loggerhead Shrike, 62; Starling, 200; Orange-crowned Warbler, 8; Myrtle Warbler, 68; Pine Warbler, 65; House Sparrow, 110; Eastern Meadowlark, 252; Western Meadowlark, 2; Redwinged Blackbird, 4660; Rusty Blackbird, 35; Brewer's Blackbird, 12; Common Grackle, 37,700; Brown-headed Cowbird, 393; Cardinal, 276; Purple Finch, 17; Pine Siskin, 3; Am. Goldfinch, 350; Rufous-sided Towhee, 130; Savannah Sparrow, 174; Le Conte's Sparrow, **13**; Vesper Sparrow, 14; Slate-colored Junco, 491; Oregon Junco, 4; Chipping Sparrow, 66; Field Sparrow, 239; White-crowned Sparrow, 14; White-throated Sparrow, 1301; Fox Sparrow, 34; Lincoln's Sparrow, 10; Swamp Sparrow, 37; Song Sparrow, 128. **Total,** 98 species; about 51,324 individuals.—Abner W. Cook, Jr., G. Dale Hamilton, Horace H. Jeter (compiler), Mrs. Lewis Jones, Robert Kneipp, William E. Shaw, O. C. Sheffield, Gerald Smith, James R. Stewart, Jr.

453. Venice, La. (all points within a 15-mile diameter circle, center Venice, including major portion of Delta Migratory Water Fowl Refuge and surrounding bays and passes; fresh-water marsh 45%, floating fresh marsh 10%, excessively drained salt marshes 15%, brackish Three-cornered Grass marsh 20%, natural levee, woods and orange groves 10%).—Dec. 24; 6:50 a.m. to 5:15 p.m. Cloudy, occasional showers alternating with fog; temp. 40° to 53°; wind SSE, 10-12 m.p.h. Five observers in 2 parties. Total party-hours, 16½ (9 on foot, 1½ by car, 6 by boat); total party-miles, 73 (8 on foot, 25 by car, 40 by boat). ► Pied-billed Grebe, 8; Great Blue Heron, 70; Green Heron, 1; Little Blue Heron, 19; Cattle Egret, 20; Common Egret, 43; Snowy Egret, 23; Louisiana Heron, 70; Am. Bittern, 1; White-faced Ibis, **1800**; White Ibis, **1575**; **Canada Goose,** 1; Snow Goose, 856; Blue Goose, **10,000**; Mallard, 450; Black Duck, 2; Mottled Duck, 14; Gadwall, **11,000**; Pintail, **3708**; Green-winged Teal, 600; Blue-winged Teal, **1100**; Am. Widgeon, **2400**; Shoveler, 2; Redhead, 3; Ring-necked Duck, 32; Canvasback, 80; Common Goldeneye, 4; Bufflehead, 6; Hooded Merganser, 12; Red-breasted Merganser, 2; Turkey Vulture, 49; Black Vulture, 20; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 11; **Broad-winged Hawk, 2** (carefully identified); Marsh Hawk, 4; Peregrine Falcon, **4**; Pigeon Hawk, 1; Sparrow Hawk, 18; King Rail, 1; Clapper Rail, 10; Virginia Rail, 1; Sora, 1; Common Gallinule, 4; Am. Coot, 110; Killdeer, 17; Black-bellied Plover, 25; Common Snipe, 29; Spotted Sandpiper, 5; Willet, 15; Greater Yellowlegs, 39; Lesser Yellowlegs, 1; Least Sandpiper, 5;

Dunlin, 350; Short-billed Dowitcher, 10; Semipalmated Sandpiper, 200; Western Sandpiper, 8; Herring Gull, 52; Ring-billed Gull, 585; Laughing Gull, 11; Bonaparte's Gull, 14; Gull-billed Tern, 2; Forster's Tern, 7; Royal Tern, 3; Caspian Tern, 16; Black Skimmer, 30; Mourning Dove, 48; Ground Dove, 8; Barn Owl, 2; Screech Owl, 1; Belted Kingfisher, 20; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 4; **Scissor-tailed Flycatcher, 1**; **Ash-throated Flycatcher, 1** (collected); Eastern Phoebe, 3; Tree Swallow, 4006; Rough-winged Swallow, 3; Blue Jay, 25; Common Crow, 34; Fish Crow, 10; Carolina Chickadee, 17; Brown Creeper, 2; House Wren, 7; Carolina Wren, 10; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 26; Catbird, 13; Brown Thrasher, 4; Robin, 24; Blue-gray Gnatcatcher, 17; Ruby-crowned Kinglet, 45; Water Pipit, 22; Loggerhead Shrike, 4; Starling, 48; White-eyed Vireo, 10; Solitary Vireo, 1; Black-and-white Warbler, 8; Orange-crowned Warbler, 56; **Parula Warbler, 1** (within 4 ft.); Myrtle Warbler, 70; Palm Warbler, 12; **Ovenbird, 1** (within 10 ft.); Yellowthroat, 20; Wilson's Warbler, 3; **Am. Redstart, 2** (seen well—L.W.); House Sparrow, 70; Eastern Meadowlark, 12; Western Meadowlark, 6; Redwinged Blackbird, 700; Boat-tailed Grackle, 40; Common Grackle, 10; Brown-headed Cowbird, 3; Cardinal, 28; **Indigo Bunting, 2**; Am. Goldfinch, 10; Rufous-sided Towhee, 1; Savannah Sparrow, 12; Sharp-tailed Sparrow, 1; Seaside Sparrow, 3; Slate-colored Junco, 1; Chipping Sparrow, 1; White-throated Sparrow, 24; Lincoln's Sparrow, 12; Swamp Sparrow, 150; Song Sparrow, 1. **Total,** 131 species; about 41,263 individuals.—John Delime, Sidney A. Gauthreaux (compiler), Mary E. Lewis, Jack Weiss, Lovett E. Williams.

454. Arrowwood National Wildlife Refuge, N. Dak. (all points within a 15-mile diameter circle, center Refuge Headquarters; south on east side of James River to Secondary Headquarters, north on west side of James River to State Hwy. 9, south along east side of Arrowwood Lake, including two recreational areas, and return to Headquarters).—Dec. 29; 8:30 a.m. to 4:30 p.m. Partly cloudy; temp. 20° to 28°; wind SW, 0-5 m.p.h. Three observers in 1 party. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 36 (12 on foot, 24 by car). ► Bald Eagle, 2; Sharp-tailed Grouse, 17; Ring-necked Pheasant, 22; Gray Partridge, 8; Great Horned Owl, 1; Snowy Owl, 1; Downy Woodpecker, 1; Horned Lark, 6; Black-billed Magpie, 3; Bohemian Waxwing, 50; Starling, 2; House Sparrow, 120; Redwinged Blackbird, 1; Common Redpoll, 50; Snow Bunting, 12. **Total,** 15 species; about 296 individuals. (Seen in area count period, but not on count day: Golden Eagle, Short-eared Owl.)—John R. Frye, Corlie E. Hall.

455. Bismarck, N. Dak. (all points within a 15-mile diameter circle, center State Capitol Building; deciduous bottomland 20%, mixed conifers and hardwoods at Experiment Station and tree nursery 45%, bottomland fields and meadows 10%, upland fields and prairies 15%, farmsteads and feed lots 3%, weed fields 5%, urban 2%).—Jan. 1; 8 a.m. to 5:15 p.m. Cloudy, light snow; temp. −3° to 7°; wind SE, 7-11 m.p.h.; 4-in. snow on ground, some open water in river. Ten observers in 6 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 184 (13 on foot, 171 by car). ► Mallard, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 4; Prairie Falcon, 1; Sharp-tailed Grouse, 6; Ring-necked Pheasant, 50; **Turkey, 9** (introduced 1951); Mourning Dove, 2; Great Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 3; Saw-whet Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 11; Horned Lark, 79; Blue Jay, 5; Black-billed Magpie, 5; Black-capped Chickadee, 39; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Robin, 95; Townsend's Solitaire, 1; Bohemian Waxwing, 30; Cedar Waxwing, 147; Starling, 67; House Sparrow, 2297; Redwinged Blackbird, 1; Evening Grosbeak, 1; Purple Finch, 12; Pine Grosbeak, 14; Common Redpoll, 73; Am. Goldfinch, 2; Red Crossbill, 8; Slate-colored Junco, 6; Tree Sparrow, 384; Harris' Sparrow, 15; **White-crowned Sparrow, 5**; **Song Sparrow, 2** (present several days); Lapland Longspur, 15; Snow Bunting, 1. **Total,** 41 species; about 3411 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Northern Shrike, Pine Siskin.)—C. G. Gannon, John G. Hewston, K. J. Johnson, Norton Johnson, Pearla Kapphahn, H. R. Morgan, E. B. Podoll, R. N. Randall (compiler), Margaret Rose, Betty Stephens (Bismarck Audubon Society).

456. Des Lacs National Wildlife Refuge, N. Dak. (all points within a 15-mile diameter circle, center Kenmare Park, including Kenmare, surrounding farmlands, refuge coulees and lakeshores; open fields and prairie 80%, wooded coulees and lakeshore 20%).—Dec. 26; 8:30 a.m. to 5 p.m. Cloudy; temp. 6° to 0°; wind NE, 5-10 m.p.h.; 3-in. snow on level, water areas frozen. Sixteen observers in 6 parties. Total party-hours, 49 (10 on foot, 39 by car and jeep); total party-miles, 480 (20 on foot, 460 by car and jeep). ► Golden Eagle, 1; Prairie Falcon, 2; Sharp-tailed Grouse, 51; Ring-necked Pheasant, 4; Gray Partridge, 125; Great Horned Owl, 2; Short-eared Owl, 22; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 51,697; Black-billed Magpie, 74; Black-capped Chickadee, 25; Robin, 14; Golden-crowned Kinglet, 1; Bohemian Waxwing, 215; Cedar Waxwing, 92; Northern Shrike, 2; Starling, 259; House Sparrow, 532; Rusty Blackbird, 1 (same area as last 2 years); Pine Grosbeak, 15; Common Redpoll, 159; Red Crossbill, 20; **Slate-colored Junco, 3**; Tree Sparrow, 2; **White-throated Sparrow, 1**; Lapland Longspur, **5551**; Snow Bunting, **55,839**. **Total,** 28 species; about 114,712 individuals. (Seen in area count period, but not on count day: Snowy Owl.)—Mrs. Herman Aufforth, Herbert Bodmer, Mrs. Herbert Bodmer, Homer Bradley, Mrs. Homer Bradley, Harold Carlson, Mrs. Harold Carlson, Robert Gammell, Mrs. Robert Gammell (compiler), H. E. Gross, L. E. McCulley, Mrs. L. E. McCulley, Darrel Rytter, Russell Rytter, Viggo Rytter, Walt Thompson (Kenmare Bird Club).

457. **Fargo, N. Dak.–Moorhead, Minn.** (all points within a 15-mile diameter circle, center on Red River 4½ miles north of Fargo, including Red River Valley from River Oaks north to confluence of Red and Sheyenne Rivers, portions of both Sheyenne and Buffalo Rivers; agricultural 30%, flood plain deciduous 25%, city parks and cemeteries 19%, city 12%, deciduous shelterbelts 10%, coniferous shelterbelts 2%, oak woods 2%).—Dec. 26; 7:45 a.m. to 5:20 p.m. Overcast, some snow; temp. 12° to −2°; wind NNE, 10-20 m.p.h.; 4-8-in. snow on ground with deeper drifts, small streams frozen, Red River open in spots. Seven observers in 3-7 parties. Total party-hours, 26 (16 on foot, 10 by car); total party-miles, 161 (17 on foot, 144 by car). ► **Red-tailed Hawk,** 1; Sparrow Hawk, 1; Ring-necked Pheasant, 52; Gray Partridge, **62**; Screech Owl, 2; Great Horned Owl, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 16; Downy Woodpecker, 27; **Horned Lark, 3** (J.A., J.D., D.N.); Blue Jay, 1; Common Crow, 1; Black-capped Chickadee, **122**; White-breasted Nuthatch, 18; Brown Creeper, 5; Cedar Waxwing, 1; Starling, 25; House Sparrow, 588; Cardinal, 1; Purple Finch, 1; Slate-colored Junco, 2; Snow Bunting, 32. **Total,** 22 species; about 966 individuals. (Seen in area count period, but not on count day: Black-billed Magpie, Bohemian Waxwing.)—John Anderson, J. Frank Cassel (compiler), James Dogger, Harold G. Heggeness, Frank Melton, David Noetzel, Howard H. Osborn.

458. **Jamestown, N. Dak.** (all points within a 15-mile diameter circle, center at intersection of routes 10 and 281; open prairie 94%, wooded bottomland along James River 4%, wooded residential 2%). —Dec. 29; 8 a.m. to 5:15 p.m.; temp. 17° to 30°; wind W, 15 m.p.h.; 10-in. snow cover. One observer. Total hours, 8¼ (1¼ on foot, 7 by car); total miles, 52 (2 on foot, 50 by car). ► Mallard, 9; Ring-necked Pheasant, 17; Gray Partridge, 91 (11 coveys); Snowy Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 4; Downy Woodpecker, 2; Horned Lark, 220; Black-capped Chickadee, 15; White-breasted Nuthatch, 4; Starling, 75; House Sparrow, 350; Redwinged Blackbird, 16; Purple Finch, 4; Pine Siskin, 29; Snow Bunting, 190. **Total,** 16 species; about 1028 individuals. (Seen in area count period, but not on count day: Short-eared Owl, Lapland Longspur.)—Robert E. Stewart.

459. **Lower Souris National Wildlife Refuge, N. Dak.** (all points within a 15-mile diameter circle, center Freeman Bridge on Upham-Willow City Road, northwest to 326 Dam and southeast to Willow Creek Bridge; marsh 33%, meadow 33%, wooded riverbottom 34%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 10° to 15°; wind NW, 15-0 m.p.h.; 4-in. snow on level, deeper in woods and marshes. Three observers in 2 parties. Total party-hours, 24 (9 on foot, 15 by car); total party-miles, 64 (12 on foot, 52 by car). ► Rough-legged Hawk, 2; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 47; Gray Partridge, 9; Great Horned Owl, 1; Short-eared Owl, 2; Downy Woodpecker, 4; Black-billed Magpie, 8; Black-capped Chickadee, 2; White-breasted Nuthatch, 1; Bohemian Waxwing, 11; House Sparrow, 110; Redwinged Blackbird, 5; **Common Grackle,** 1; Common Redpoll, 3; Tree Sparrow, 18; Snow Bunting, 12. **Total,** 17 species; about 237 individuals. (Seen in area count period, but not on count day: Golden Eagle, Snowy Owl, Horned Lark.)—Harold F. Duebbert, Merrill C. Hammond, Edward J. Smith, Jr. (compiler).

460. **Brookings, S. Dak.** (all points within a 15-mile diameter circle, center Volga, including Oakwood Lakes and Lake Campbell; river deciduous trees 40%, marshes and lakes 19%, cedar grove 1%, open fields 40%).—Dec. 31; 8 a.m. to 5 p.m. Overcast a.m., fog p.m.; temp. 20° to 32°; no wind; 6-in. snow on ground, streams ice-covered. Eleven observers in 3-4 parties. Total party-hours, 19 (15 on foot, 4 by car); total party-miles, 95 (18 on foot, 77 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 263; Mourning Dove, 2; Screech Owl, 3; Great Horned Owl, 5; Short-eared Owl, **12**; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 5; Hairy Woodpecker, 13; Downy Woodpecker, 42; Horned Lark, 78; Blue Jay, 4; Common Crow, 21; Black-capped Chickadee, 60; White-breasted Nuthatch, 22; Brown Creeper, 2; Starling, 195; House Sparrow, 321; Western Meadowlark, 6; **Redwinged Blackbird, 83** (seen well); **Common Grackle, 4** (in yard all Dec.); **Brown-headed Cowbird, 6** (7 observers); Cardinal, 1; **Pine Grosbeak, 13** (within 20 ft.); Common Redpoll, 17; Am. Goldfinch, 11; Red Crossbill, 15; Slate-colored Junco, 104; Tree Sparrow, 116; Lapland Longspur, 2. **Total,** 34 species; about 1437 individuals. (Seen in area count period, but not on count day: Cedar Waxwing, Northern Shrike, Pine Siskin.)—Orena Cooper, Mrs. Richard Edie, David Holden, Mrs. David Holden (compiler), Mrs. Evelyn Melvin, Edward Olson, Mr. and Mrs. Franklin Shaw, Mr. and Mrs. C. A. Taylor, Sam Zilke (Brookings Nature Club).

461. **Huron, S. Dak.** (all points within a 15-mile diameter circle, center on Dakota Ave. at 9th St.; riverbottom deciduous trees and brush 4%, cemetery and parks' deciduous trees and conifers 2%, deciduous tree strips 6%, residential 13%, prairie and cropland 75%).—Dec. 31; 7:45 a.m. to 5:30 p.m.; temp. 16 to 28°; wind calm; 6-in. snow cover, variable fog, thinning after 8:30 to partly cloudy. Nine observers in 2 parties. Total party-hours, 13 (3 on foot, 10 by car); total party-miles, 131 (4 on foot, 127 by car). ► Rough-legged Hawk, 1; Ring-necked Pheasant, 1480; Gray Partridge, 10; Great Horned Owl, 3; Yellow-shafted Flicker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 174; Common Crow, 43; Black-capped Chickadee, 16; White-breasted Nuthatch, 2; Brown Creeper, 1; Robin, 7; **Townsend's Solitaire, 1** (seen well by 6 observers); Northern Shrike, 2; Starling, 373; House Sparrow, 319; Western Meadowlark, 40; **Cardinal, 2**; Common Redpoll, 6; Pine Siskin, 24; Slate-colored Junco, 12; Oregon Junco, 1; Tree Sparrow, 8. **Total,** 24 species;

about 2544 individuals. (Seen in area count period, but not on count day: Blue Jay, Red-breasted Nuthatch.)—Blanche Battin, Lois Christen, Jean and George Jonkel, J. W. Johnson (compiler), Lucille Johnson, Mary Aberdeen Ketelle, David Leland, Mrs. Angus Saunders.

462. Lacreek National Wildlife Refuge, S. Dak. (all points within a 15-mile diameter circle, center Refuge Headquarters).—Dec. 28; 7:30 a.m. to 4:30 p.m.; temp. 0° to 16°; wind SW, 5-8 m.p.h. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 45 (15 on foot, 30 by car). ► **Trumpeter Swan, 16** (introduced as nucleus for breeding population); Canada Goose, 116; Mallard, 733; Common Goldeneye, 3; Harlan's Hawk, 2; Rough-legged Hawk, 9; Golden Eagle, 6; Marsh Hawk, 10; Sharp-tailed Grouse, 7; Ring-necked Pheasant, 899; Great Horned Owl, 4; Red-shafted Flicker, 1; Downy Woodpecker, 6; Horned Lark, 154; Black-billed Magpie, 4; Common Crow, 2; House Sparrow, 14; Western Meadowlark, 15; Redwinged Blackbird, 104; Tree Sparrow, 425. **Total,** 20 species; about 2530 individuals. (Seen in area count period, but not on count day: Bald Eagle, Prairie Falcon, Black-capped Chickadee.)—Forrest W. Brooks, Edward J. Collins, Charles A. Hughlett (compiler).

463. Madison, S. Dak. (all points within a 15-mile diameter circle, center Madison).—Jan. 2; 8 a.m. to 5 p.m.; temp. −10 to 10°; wind 2 m.p.h.; thick ice on lakes, snow on ground. Two observers in 1 party. Total party-hours, 8; total party-miles, 58 (2 on foot, 56 by car). ► Rough-legged Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 192; Mourning Dove, 3; Great Horned Owl, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 1360; Blue Jay, 5; Common Crow, 13; Black-capped Chickadee, 14; Red-breasted Nuthatch, 1; Starling, 175; House Sparrow, 233; Western Meadowlark, 3; Cardinal, 2; Am. Goldfinch, 3; Slate-colored Junco, 17; Tree Sparrow, 135. **Total,** 20 species; about 2166 individuals. (Seen in area count period, but not on count day: Robin, Common Grackle.)—Mrs. Wesley Beardsley, Ruth Habeger (compiler).

464. Rapid City, S. Dak. (all points within a 15-mile diameter circle, center Dinosaur Park in Rapid City, including South and Rapid Canyons, bottomlands of Box Elder, Rapid, and Spring Creeks, surrounding prairies and forests; Ponderosa Pine forests 50%, deciduous stream bottomlands 25%, prairies 20%, city and cemeteries 3%, ponds and lakes 2%; altitude 3000-4700 ft.).—Dec. 26; 8 a.m. to 4:30 p.m. Heavy overcast; temp. 20% to 30%; wind NE, 10-15 m.p.h.; ponds open, patches of snow in sheltered spots. Thirteen observers in 7 parties. Total party-hours, 45 (27 on foot, 18 by car); total party-miles, 223 (29 on foot, 194 by car). ► **Horned Grebe, 1** (all field marks—N.W.); Mallard, 190; Gadwall, 12; **Pintail, 1**; **Am. Widgeon, 1**; Canvasback, 1; Common Goldeneye, 20; Hooded Merganser, 2; Common Merganser, 10; Rough-legged Hawk, 3; hawk (sp.), 1; Sharp-tailed Grouse, 5; Ring-necked Pheasant, 19; Great Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 1; Lewis' Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; **Black-backed Three-toed Woodpecker, 1**; Blue Jay, 19; Black-billed Magpie, 92; Common Crow, 14; Piñon Jay, 164; Black-capped Chickadee, 72; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 31; Brown Creeper, 3; Robin, 1; Townsend's Solitaire, 15; Cedar Waxwing, 5; Starling, 105; House Sparrow, 427; Evening Grosbeak, 2; Purple Finch, 237; Pine Siskin, 56; Am. Goldfinch, 3; Red Crossbill, 279; White-winged Junco, 70; Slate-colored Junco, 73; Oregon Junco, 17; Tree Sparrow, 63; Song Sparrow, 1. **Total,** 42 species; about 2027 individuals. (Seen in area count period, but not on count day: Bohemian Waxwing.)—Gertrude Bachmann, Harry Behrens, Grace Bennett, Mr. and Mrs. Richard Hurd, Mary Hyde, Thelma O'Neal, Lowell McEwen, Charlotte Snyder, Elizabeth Southmayd, N. R. Whitney (compiler), Mr. and Mrs. Lenord Yarger.

465. Sand Lake National Wildlife Refuge, S. Dak. (all points within a 15-mile diameter circle, center refuge building site 3; shelterbelts 35%, farmland 15%, marshes 10%, grassland 10%, lakes and ponds 20%, farm feed lots 5%, towns 5%).—Dec. 21; 8:15 a.m. to 4:30 p.m. Sunny; temp. 0° to 5°; wind 15-18 m.p.h.; 11-in. lightly crusted snow. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 82 (2 on foot, 80 by car). ► Mallard, 80; Rough-legged Hawk, 6; **Greater Prairie Chicken, 1**; Ring-necked Pheasant, 1400; Gray Partridge, 8; Great Horned Owl, 4; Yellow-shafted Flicker, 4; Downy Woodpecker, 3; Horned Lark, 94; Blue Jay, 1; Common Crow, 12; Black-capped Chickadee, 8; Northern Shrike, 2; Starling, 32; House Sparrow, 310; Yellow-headed Blackbird, 1 [no details—Ed.]; Redwinged Blackbird, 70; Rusty Blackbird, 10; Common Grackle, 5. **Total,** 19 species; about 2051 individuals.—Jerry J. Blackard (compiler), Elmer P. F. Podoll.

466. Sioux Falls, S. Dak. (all points within a 15-mile diameter circle, center at Rice St. and Cliff Ave.).—Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 10° to 25°; wind 0-5 m.p.h.; 5-ft. soft snow. Thirty-four observers in 10 parties. Total party-hours, 37 (28 on foot, 9 by car); total party-miles, 102 (19 on foot, 83 by car). ► Mallard, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 8; Peregrine Falcon, 1; Ring-necked Pheasant, 140; Mourning Dove, 31; Great Horned Owl, 7; Short-eared Owl, 19; Belted Kingfisher, 5; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 2; Hairy Woodpecker, 18; Downy Woodpecker, 60; Horned Lark, 52; Blue Jay, 34; Common Crow, 336; Black-capped Chickadee, 257; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 1; Brown Creeper, 4; Robin, 1; Northern Shrike, 2; Starling, 164; House Sparrow, 1016; Western Meadowlark, 5; Cardinal, 17; Common Redpoll, 1; Pine Siskin, 32; Red Crossbill, 29; Slate-colored Junco, 227; Tree Sparrow, 334; Harris' Sparrow, 18; White-crowned Spar-

row. 1. **Total,** 33 species; about 2878 individuals. —H. F. Chapman, J. S. Findley (co-compiler), S. G. Froiland, K. Kessinger, Tom Kilian, George Medeck, Max Pierce, D. J. Rogers, Robert Trusler, W. N. Rosine (compiler) (Sioux Falls Audubon Society).

467. **Waubay National Wildlife Refuge, S. Dak.** (all points within a 15-mile diameter circle; entire 4651 acres of refuge 9 miles north of Waubay; water area 50%, deciduous woodland 25%, agricultural 10%, prairie and meadows 15%).—Jan. 2; 8 a.m. to 5 p.m. Partly cloudy; temp. 19° to −15°; wind NW, 10 m.p.h.; 4-in. powdery snow on ground. One observer. Total hours, 8 (6 on foot, 2 by car); total miles, 26 (6 on foot, 20 by car). ► Mallard, 6; Ring-necked Pheasant, 68; Great Horned Owl, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 31; Black-capped Chickadee, 8; White-breasted Nuthatch, 2; House Sparrow, 18; Common Grackle, 1; Common Redpoll, 42; Snow Bunting, 14. **Total,** 12 species; about 196 individuals. (Seen in area count period, but not on count day: Gray Partridge, Northern Shrike.)—J. C. Carlsen.

468. **Yankton, S. Dak.** (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 27; 7 a.m. to 6 p.m. Light snow till noon; temp. 20° to 31°; wind E, 0-8 m.p.h.; light snow cover, Missouri River and Rhine Creek open, James River and Mud Creek frozen. Two observers in 1 party. Total party-hours, 11 (3 on foot, 8 by car); total party-miles, 92 (7 on foot, 85 by car). ► Mallard, 4165; Pintail, 8; Common Goldeneye, 145; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 3; Bobwhite, 37; Ring-necked Pheasant, 22; Killdeer, 3; Short-eared Owl, 5; Downy Woodpecker, 4; Horned Lark, 56; Blue Jay, 2; Common Crow, 13; Black-capped Chickadee, 4; White-breasted Nuthatch, 1; Robin, 1; Starling, 141; House Sparrow, 393; Western Meadowlark, 8; Cardinal, 4; Am. Goldfinch, 3; **Rufous-sided Towhee,** 1 (seen well); Slate-colored Junco, 18; Tree Sparrow, 154; Song Sparrow, 1. **Total,** 28 species; about 5204 individuals. (Seen in area count period, but not on count day: Green-winged Teal, scaup (sp.), Common Merganser, Common Snipe, Yellow-shafted Flicker, Hairy Woodpecker, Northern Shrike.)—Mr. and Mrs. Willis Hall.

469. **Beatrice, Nebr.** (all points within a 15-mile diameter circle, center at 6th and Court St. as last year).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 25° to 35°; wind NW, 3-8 m.p.h.; no snow, water frozen. Six observers in 2 parties. Total party-hours, 19 (5 on foot, 14 by car); total party-miles, 80 (8 on foot, 72 by car). ► Red-tailed Hawk, 11; Rough-legged Hawk, 5; Marsh Hawk, 8; Sparrow Hawk, 7; Bobwhite, 6; Ring-necked Pheasant, 2; Mourning Dove, 6; Barred Owl, 2; Yellow-shafted Flicker, 26; Red-headed Woodpecker, 6; Hairy Woodpecker, 7; Downy Woodpecker, 5; Eastern Phoebe, 1 [no details, not even underlined as unusual—Ed.]; Horned Lark, 20; Blue Jay, 7; Common Crow, 37; Black-capped Chickadee, 50; Tufted Titmouse, 1; White-breasted Nuthatch, 5; Mockingbird, 2; Robin, 14; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 18 [no details—Ed.]; Cedar Waxwing, 1; Loggerhead Shrike, 3; Starling, 161; House Sparrow, 200; Western Meadowlark, 44; Common Grackle, 6; Cardinal, 14; Am. Goldfinch, 39; Red Crossbill, 22; Slate-colored Junco, 50; Tree Sparrow, 18; Harris' Sparrow, 15; White-throated Sparrow, 14 [no details—Ed.]; Song Sparrow, 2. **Total,** 37 species; about 850 individuals. (Seen in area count period, but not on count day: Cedar Waxwing.)—Vera Anderson (compiler), Mrs. Marie Baier, Mrs. Mildred Luebben, Mrs. Roxana Peckman, Mrs. Esther Smith, Mary Sturmer.

470. **Crescent Lake National Wildlife Refuge, Nebr.** (all points within a 15-mile diameter circle, center Refuge Headquarters; western half of refuge covered).—Jan. 1; 8 a.m. to 5 p.m.; temp. 10° to 29°; wind SE, 15 m.p.h.; water areas frozen, snow on ground. One observer. Total hours, 8 (½ on foot, 7½ by car); total miles, 31 (1 on foot, 30 by car). ► Canada Goose, 290; Rough-legged Hawk, 4; Marsh Hawk, 1; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 34; Great Horned Owl, 1; Red-shafted Flicker, 2; Horned Lark, 155; Black-billed Magpie, 1; Redwinged Blackbird, 134; Oregon Junco, 23; Tree Sparrow, 1037. **Total,** 12 species; about 1683 individuals. (Seen in area count period, but not on count day: Golden Eagle, Bobwhite, Downy Woodpecker, Robin.)—Richard S. Rodgers.

471. **Crete, Nebr.** (all points within a 15-mile diameter circle, center same as in 1948 and subsequent years).—Dec. 24; 7:30 a.m. to 5 p.m. Clear; temp. 20° to 52°; wind N, 0-5 m.p.h.; no snow, still water frozen, river 50% frozen. Two observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 50 (15 on foot, 35 by car). ► Red-tailed Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Horned Lark, 30; Blue Jay, 10; Common Crow, 53; Black-capped Chickadee, 41; White-breasted Nuthatch, 6; Brown Creeper, 3; Starling, 366; House Sparrow, 55; Western Meadowlark, 20; Brown-headed Cowbird, 1; Cardinal, 6; Am. Goldfinch, 7; Slate-colored Junco, 9; Tree Sparrow, 41; Harris' Sparrow, 23; Song Sparrow, 4. **Total,** 22 species; about 690 individuals. (Seen in area count period, but not on count day: Golden-crowned Kinglet, Red Crossbill.)—Janet L. C. Rapp, William F. Rapp, Jr. (compiler).

472. **Fremont, Nebr.** (all points within a 15-mile diameter circle, center Fremont, covering both sides of Platte River chiefly in wooded lands).—Dec. 30; 9 a.m. to 5 p.m. Clear; temp. 20° to 40°; wind S, 15 m.p.h.; trace of snow on ground. Three observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 53 (2 on foot, 51 by car). ► Mallard, **120,000**; Bald Eagle, 6; Marsh Hawk, 7; Sparrow Hawk, 2; Ring-necked Pheasant, 9; Killdeer, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 2; Common Crow, 13; Black-capped

Chickadee, 14; Brown Creeper, 2; Golden-crowned Kinglet, 2; Northern Shrike, 1; Starling, 182; House Sparrow, 123; Cardinal, 1; Am. Goldfinch, 13; Slate-colored Junco, 4; Tree Sparrow, 86. **Total,** 22 species; about 120,475 individuals.—John Lueshen, Willeta Lueshen (compiler), Gordon Nelson.

473. Grand Island, Nebr. (all points within a 15-mile diameter circle, center same as last year).—Dec. 23; 8:30 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 36° to 51°; wind W, 14-38 m.p.h. with gusts to 56 m.p.h.; trace of snow on ground, still water frozen, running water partly frozen. Five observers in 2 parties. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 36 (8 on foot, 28 by car). ► Rough-legged Hawk, 1; Marsh Hawk, 2; Bobwhite, 11; Ring-necked Pheasant, 1; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 300; Common Crow, 36; Black-capped Chickadee, 4; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Starling, 79; House Sparrow, 117; Western Meadowlark, 5; Rusty Blackbird, 25; Cardinal, 7; Am. Goldfinch, 2; Slate-colored Junco, 4; Tree Sparrow, 30; Harris' Sparrow, 5; Lapland Longspur, 25. **Total,** 24 species; about 674 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Mourning Dove, Red-bellied Woodpecker, Blue Jay.)—Verneil E. Griffin (compiler), George Houser, Mrs. George Houser, Liven A. Peterson, Donald Tennant.

474. Hastings, Nebr. (all points within a 15-mile diameter circle, center Hastings, to include Crystal Lake area, woodlands along Little Blue River, adjoining fields, parks, Parkview Cemetery).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 20° to 40°; wind 8-12 m.p.h.; ground bare. Five observers in 2 parties. Total party-hours, 26 (9 on foot, 17 by car); total party-miles, 136 (18 on foot, 118 by car). ► Mallard, 2; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 8; Bobwhite, 20; Ring-necked Pheasant, 8; Mourning Dove, 60; Great Horned Owl, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-shafted Flicker, 2; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 500; Blue Jay, 2; Common Crow, 20; Black-capped Chickadee, 100; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 4; Brown Creeper, 2; Robin, 1; Townsend's Solitaire, 1; Starling, 50; House Sparrow, 1000; Western Meadowlark, 30; Rusty Blackbird, 30; Cardinal, 25; Pine Siskin, 8; Am. Goldfinch, 100; **Savannah Sparrow, 5** [no details—Ed.]; Slate-colored Junco, 40; Oregon Junco, 2; Tree Sparrow, 100; Chipping Sparrow, 30 [no details, not underlined as unusual—Ed.]; Harris' Sparrow, 50; Song Sparrow, 12; Lapland Longspur, 50. **Total,** 38 species; about 2313 individuals. (Seen in area count period, but not on count day: Golden-crowned Kinglet.)—Mrs. Marie Damerell, Charles Hansen, Mrs. A. M. Jones (compiler), Vera Maunder, Burton Nelson.

475. Kearney, Nebr. (all points within a 15-mile diameter circle, center Kearney, including Kearney Lake, Kearney Cemetery, Harmon Park, Cottonmill Lake, Overland pits, Fort Kearney State Park, Platte River; parks and cemetery 35%, river bottomlands 50%, roadsides 15%).—Jan. 1; 7:40 a.m. to 5:10 p.m. Overcast to clear, few snow flurries; temp. 27° to 20°; wind SW to NW, 15-25 m.p.h.; river 10% open, ground half covered with snow. Seven observers in 2 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 153 (8 on foot, 145 by car). ► Canada Goose, 41; Mallard, 25; Cooper's Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 2; Bobwhite, 48; Ring-necked Pheasant, 6; **Sandhill Crane, 50** (well seen by 4 observers); Mourning Dove, 2; Great Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Red-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 1415; Black-billed Magpie, 13; Common Crow, 40; Black-capped Chickadee, 4; Brown Creeper, 3; Robin, 8; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Starling, 135; House Sparrow, 351; Western Meadowlark, 36; Redwinged Blackbird, 2; Cardinal, 14; Evening Grosbeak, 5; Pine Siskin, 72; Am. Goldfinch, 73; Rufous-sided Towhee, 1; Slate-colored Junco, 31; Oregon Junco, 15; Tree Sparrow, 291; Harris' Sparrow, 21; White-crowned Sparrow, 6; **White-throated Sparrow, 6**; Song Sparrow, 4. **Total,** 40 species; about 2762 individuals.—John C. Bliese (compiler), Mrs. John C. Bliese, George W. Brown, Chris W. Hansen, Mrs. Chris W. Hansen.

476. Lincoln, Nebr. (all points within a 15-mile diameter circle, center at 14th and A Streets as in previous years).—Dec. 26; 8 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 20° to 37°; wind N, 7 m.p.h.; ground clear, still water frozen, running water partly open. Fourteen observers in 2 parties. Total party-hours, 17 (12 on foot, 5 by car); total party-miles, 109 (13 on foot, 96 by car). ► Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 3; Ring-necked Pheasant, 1; Killdeer, 1; Mourning Dove, 7; Great Horned Owl, 4; Short-eared Owl, 1; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 23; Blue Jay, 23; Common Crow, 100; Black-capped Chickadee, 61; Tufted Titmouse, 69; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 5; Brown Creeper, 19; Robin, 2; Golden-crowned Kinglet, 28; Cedar Waxwing, 45; Loggerhead Shrike, 1; Starling, 1048; House Sparrow, 1000+; meadowlark (sp.), 17; Cardinal, 31; Purple Finch, 1; Pine Siskin, 467; Am. Goldfinch, 108; Red Crossbill, 175; Rufous-sided Towhee, 1; Slate-colored Junco, 251; Tree Sparrow, 67; Harris' Sparrow, 48; White-throated Sparrow, 1; Song Sparrow, 26. **Total,** 40 species; more than 3727 individuals. (Seen in area count period, but not on count day: Horned Lark, Bohemian Waxwing.)—Oscar Alexis, Howard P. Doole, Mrs. W. A. Fleming, Ralph Harrington, Mr. and Mrs. George W. Keim, Mrs. Vincent Moore, Mr. and Mrs. Paul W. Murdoch, Mrs. C. G. Pritchard, C. G. Pritchard (compiler), Edna M. Thompson, Mr. and Mrs. Harold V. Whitmus (Audubon Naturalists' Club and University Place Bird Club).

477. **Scottsbluff, Nebr.** (all points within a 15-mile diameter circle, center 1 mile north and 1½ miles east of Scottsbluff, including Riverside Park, Riverview Golf Course, north to Tub Springs, northeast to lake country, south to Badlands, Gering Cemetery; pasture 25%, deciduous growth 35%, hilly terrain 10%, water 25%, conifers 3%, town 2%).—Dec. 29; 7 a.m. to 4:30 p.m. Partly cloudy; temp. −2° to 34°; wind NW, 6-13 m.p.h.; ponds and lakes frozen, streams mostly open. Seven observers in 4 parties. Total party-hours, 28 (11 on foot, 17 by car); total party-miles, 113 (11 on foot, 102 by car). ► Canada Goose, 30; Mallard, 31,188; Green-winged Teal, **100**; Shoveler, 2; Common Goldeneye, 6; Common Merganser, 31; Golden Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Bobwhite, 30; Ring-necked Pheasant, 14; Killdeer, 2; Common Snipe, 8; Mourning Dove, 1; Great Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-shafted Flicker, 36; Hairy Woodpecker, 1; Downy Woodpecker, 15; Horned Lark, 510 (160 Prairie); Blue Jay, 5; Black-billed Magpie, 64; Common Crow, 2; Black-capped Chickadee, 21; **Tufted Titmouse, 1** (Young party); Red-breasted Nuthatch, 1; Brown Creeper, 5; Robin, 4; Townsend's Solitaire, 1; Bohemian Waxwing, 4; Northern Shrike, 1; Starling, 576; House Sparrow, 3185; Western Meadowlark, 123; Redwinged Blackbird, 472; Brewer's Blackbird, 2; Evening Grosbeak, **38**; House Finch, 6; Pine Siskin, 10; Am. Goldfinch, 25; Red Crossbill, 8; Slate-colored Junco, 1; Oregon Junco, 54; Tree Sparrow, 327; White-crowned Sparrow, 28; Song Sparrow, 4. **Total,** 47 species (1 additional race); about 36,959 individuals.—Lydia Bolz, Mrs. J. W. Brashear, J. W. Brashear, Mrs. Alvin Vance, Mary Ann Wake, Mrs. Roy J. Witschy (compiler), Mrs. S. R. Young.

478. **Valentine National Wildlife Refuge, Nebr.** (all points within a 15-mile diameter circle, center Refuge Headquarters on west end of Hackberry Lake; pasture 94%, deciduous and conifer groves 1%, cattail and rush marshes 3%, lakes or ponds 2%).—Dec. 30; 8 a.m. to 5:30 p.m. Clear; temp. 25° to 43°; wind to 10 m.p.h. Three observers in 3 parties. Total party-hours, 16 (2 on foot, 14 by car); total party-miles, 48 (3 on foot, 45 by car). ► Mallard, 2; Rough-legged Hawk, 2; Marsh Hawk, 1; Greater Prairie Chicken, 15; Sharp-tailed Grouse, 130; Ring-necked Pheasant, 87; Great Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Red-headed Woodpecker, 1; Horned Lark, 209; Black-billed Magpie, 1; Common Crow, 8; Robin, 2; Townsend's Solitaire, 1; Starling, 8; House Sparrow, 20; Oregon Junco, 17; Song Sparrow, 6; Snow Bunting, 8. **Total,** 20 species; about 522 individuals. (Seen in area count period, but not on count day: Golden Eagle.)—Mel Becker, Duane Koss, Nelius B. Nelson (compiler).

479. **Wisner–Pilger, Nebr.** (all points within a 15-mile diameter circle, center John Lueshen farm).—Dec. 29; 8 a.m. to 4:30 p.m. Clear; temp. 12° to 30°; wind SW, 5 m.p.h.; 1-in. snow on ground. Two observers in 1 party. Total party-hours, 8½ (2 on foot, 6½ by car); total party-miles, 40 (all by car). ► Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bobwhite, 8; Ring-necked Pheasant, 6; Great Horned Owl, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 8; Horned Lark, 15; Blue Jay, 5; Common Crow, 18; Black-capped Chickadee, 11; White-breasted Nuthatch, 3; Starling, 15; House Sparrow, 100; Western Meadowlark, 3; Cardinal, 2; Am. Goldfinch, 4; Slate-colored Junco, 125; Tree Sparrow, 156; Harris' Sparrow, 20; White-crowned Sparrow, 8; Song Sparrow, 2. **Total,** 28 species; about 524 individuals.—John Lueshen, Willetta Lueshen (compiler).

480. **Wymore–Blue Springs, Nebr.** (all points within a 15-mile diameter circle, center Wymore).—Dec. 24; 8 a.m. to 5 p.m.; temp. 29° to 50°; wind 8 m.p.h. Two observers in 1 party. Total party-hours, 9; total party-miles, 29 (2 on foot, 27 by car). ► Sharp-shinned Hawk, 1; Red-tailed Hawk, 11; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 7; Bobwhite, 12; Ring-necked Pheasant, 1; Mourning Dove, 61; Great Horned Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 8; Blue Jay, 16; Common Crow, 15; Black-capped Chickadee, 24; Tufted Titmouse, 6; White-breasted Nuthatch, 3; Brown Creeper, 7; Robin, 5; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 4; Loggerhead Shrike, 1; Starling, 126; House Sparrow, innumerable [I doubt it—Ed.]; Western Meadowlark, 103; Cardinal, 25; Slate-colored Junco, 15; Tree Sparrow, 15; Harris' Sparrow, 12; Song Sparrow, 3. **Total,** 34 species; more than 525 individuals.—Mrs. Lynn Hardin, Mrs. F. J. Patton (compiler).

481. **Baldwin, Kans.** (all points within a 15-mile diameter circle, center 2 miles north of junction of Highways 56 and 59; open country 20%, brushland 50%, woods 15%, lake shore 10%, town 5%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 33° to 38°; wind N, 10 m.p.h.; lakes partly frozen, scattered snow. Eleven observers in 3 parties. Total party-hours, 20 (12 on foot, 8 by car); total party-miles, 147 (12 on foot, 135 by car). ► Sharp-shinned Hawk, 2; Red-tailed Hawk, 21; Harlan's Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 13; Mourning Dove, 41; Screech Owl, 2; Great Horned Owl, 5; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 17; Horned Lark, 19; Blue Jay, 49; Common Crow, 59; Black-capped Chickadee, 29; Tufted Titmouse, 13; White-breasted Nuthatch, 6; Brown Creeper, 3; Carolina Wren, 3; Mockingbird, 10; Robin, 5; Eastern Bluebird, 10; Golden-crowned Kinglet, 4; Cedar Waxwing, 40; Loggerhead Shrike, 9; Starling, 318; House Sparrow, 726; Western Meadowlark, 35; meadowlark (sp.), 39; Cardinal, 120; Pine Siskin, 1; Am. Goldfinch, 5; Slate-colored Junco, 151; Oregon Junco, 4; Tree Sparrow, 78; Field Sparrow, 1; Harris' Sparrow,

92; White-crowned Sparrow, 5; Song Sparrow, 8; Lapland Longspur, 25. **Total,** 45 species; about 2051 individuals. (Seen in area count period, but not on count day: Bufflehead.)—Amelia J. Betts (compiler), Barbara Boyd, Mr. and Mrs. I. L. Boyd, Roger Boyd, Ray Couser, Katharine Kelley, Mrs. Francis McKaughan, R. F. Miller, Fred Purvis, Floyd Schmidt.

482. Halstead, Kans. (all points within a 15-mile diameter circle, center 3½ miles NE of Halstead; chiefly along Little Arkansas River and Emma Creeks; wooded streams 46%, hedgerows and farmland 43%, town, cemeteries and cedar-belts 11%).—Dec. 31; 7:30 a.m. to 5:30 p.m. Cloudy to clear; temp. 32° to 40°; wind N, 17-27 m.p.h.; ponds iced, streams open. Eight observers in 5 parties, 2 only at feeders. Total party-hours, 25 (13 on foot, 12 by car); total party-mile, 192 (13 on foot, 179 by car). ► Mallard, 2; Cooper's Hawk, 2; Red-tailed Hawk, 16; Rough-legged Hawk, 7; buteo (sp.), 8; Marsh Hawk, 8; Sparrow Hawk, 10; Ring-necked Pheasant, 6; Mourning Dove, 14; Screech Owl, 2; Great Horned Owl, 7; Barred Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 22; Red-shafted Flicker, 2; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 34; Horned Lark, 543; Blue Jay, 11; Common Crow, 637; Black-capped Chickadee, 84; Tufted Titmouse, 6; Red-breasted Nuthatch, 1; Brown Creeper, 9; Winter Wren, 1; Mockingbird, 1; Robin, 1; Eastern Bluebird, 3; Townsend's Solitaire, 1; Golden-crowned Kinglet, 18; Starling, 345; House Sparrow, 288; Western Meadowlark, 356; Common Grackle, 4; Cardinal, 29; Pine Siskin, 8; Am. Goldfinch, 13; Rufous-sided Towhee, 5; Slate-colored Junco, 290; Oregon Junco, 1; Tree Sparrow, 305; Field Sparrow, 1; Harris' Sparrow, 289; Song Sparrow, 6. **Total,** 45 species; about 3426 individuals. (Seen in area count period, but not on count day: Loggerhead Shrike.)—Joan Challans, Ruth Rose, Edna L. Ruth (compiler), Ivan D. Sutton, Robert G. Weiner.

483. Hays, Kans. (all points within a 15-mile diameter circle, center 7½ miles southwest of Hays, including campus of Fort Hays Kansas State College, Agricultural Experiment Station, banks of Big Creek; open prairie 45%, cultivated land 20%, wooded creeks 25%, brushland 5%, town, etc. 5%).—Dec. 28; 7:45 a.m. to 5 p.m. Cloudy; temp. 26° to 40°; wind variable, 7-10 m.p.h.; 1-in. fresh snow, smaller ponds and streams frozen. Nine observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 70 (10 on foot, 60 by car). ► Mallard, **1600**; Pintail, 6; Green-winged Teal, 23; Common Merganser, 450; Red-tailed Hawk, 2; Rough-legged Hawk, 11; Golden Eagle, 3; Bald Eagle, 3; Marsh Hawk, 16; Sparrow Hawk, 5; Ring-necked Pheasant, 61; Ring-billed Gull, 5; Mourning Dove, 37; Great Horned Owl, 4; Yellow-shafted Flicker, 8; Red-shafted Flicker, 13; **Red-bellied Woodpecker, 1** (regular at feeder); Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 230; Common Crow, 25; Black-capped Chickadee, 17; Red-breasted Nuthatch, 2; Brown Creeper, 4; **Bewick's Wren, 1**; Mockingbird, 2; Robin, 110; Golden-crowned Kinglet, 8; **Bohemian Waxwing, 1** (positive); Cedar Waxwing, 26; Starling, 450; House Sparrow, 650; Western Meadowlark, 204; Redwinged Blackbird, 540; Brown-headed Cowbird, 10; Cardinal, 1; **Evening Grosbeak, 21**; Purple Finch, 1; **Cassin's Finch, 20**; **Pine Grosbeak, 2** (specimens of last 2 species); Slate-colored Junco, 13; Oregon Junco, 11; Tree Sparrow, 175; Harris' Sparrow, 36; White-crowned Sparrow, 39; Song Sparrow, 7; Lapland Longspur, 425. **Total,** 48 species; about 5286 individuals. (Seen in area count period, but not on count day: Loggerhead Shrike, Rusty Blackbird, Pine Siskin.)—Charles A. Ely (compiler), Mrs. Richard Mermis, Max Schroeder, Jerrell Smith, Gerald Tomanek.

484. Kirwin National Wildlife Management Area, Kans. (all points within a 15-mile diameter circle; 10,864 acres includes 5000 surface acres of frozen water, 5864 acres of crop and grasslands).—Dec. 30; 7:50 a.m. to 5:35 p.m. Clear; temp. 24° to 48°; wind SW, 8 m.p.h. One observer. Total hours, 9¾; total miles, 58 (2 on foot, 56 by car). ► Canada Goose, 2900; **White-fronted Goose, 2**; Mallard, 20,950; Am. Widgeon, 17; Common Goldeneye, 1; Sharp-shinned Hawk, 3; Red-tailed Hawk, 6; Rough-legged Hawk, 8; Golden Eagle, 1; Bald Eagle, 1; Marsh Hawk, 21; Sparrow Hawk, 2; Bobwhite, 15; Ring-necked Pheasant, 17; Great Horned Owl, 3; Short-eared Owl, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 56; Black-billed Magpie, 15; Black-capped Chickadee, 8; Starling, 51; House Sparrow, 21; Western Meadowlark, 132; Redwinged Blackbird, 1; Cardinal, 1; Slate-colored Junco, 20; Tree Sparrow, 86; Field Sparrow, **166**; Harris' Sparrow, 8. **Total,** 33 species; about 24,525 individuals. (Seen in area count period, but not on count day: Pintail, Mourning Dove, Common Crow.)—Robert H. Shields.

485. Linn County, Kans. (all points within a 15-mile diameter circle, center as in past 10 years).—Dec. 26; 5 a.m. to 5:30 p.m. Cloudy to clear; temp. 31° to 60°; wind NNW, 10 m.p.h.; ponds and lakes frozen, streams mostly open. Twelve observers in 6 parties. Total party-hours, 36 (21 on foot, 15 by car); total party-miles, 218 (18 on foot, 200 by car). ► **Great Blue Heron, 2**; Mallard, 10,000; Pintail, 1; Cooper's Hawk, 3; Red-tailed Hawk, 15; Red-shouldered Hawk, 8; Rough-legged Hawk, 3; Golden Eagle, 2; Marsh Hawk, 12; Sparrow Hawk, 11; Bobwhite, 13; Mourning Dove, 19; Barn Owl, 2; Great Horned Owl, 7; Barred Owl, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 44; Pileated Woodpecker, 4; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 45; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 24; Horned Lark, 55; Blue Jay, 67; Common Crow, 71; Black-capped Chickadee, 86; Tufted Titmouse, 55; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 2; Mockingbird, 5; Robin, 12; Eastern Bluebird, 10; Golden-crowned Kinglet, 4; Loggerhead Shrike, 20; Starling,

241; House Sparrow, 97; Eastern Meadowlark, 75; Redwinged Blackbird, 22; Brown-headed Cowbird, 1; Cardinal, 229; Purple Finch, 11; Am. Goldfinch, 28; Slate-colored Junco, 89; Tree Sparrow, 88; Field Sparrow, 2; Harris' Sparrow, 17; White-crowned Sparrow, 8; White-throated Sparrow, 2; Fox Sparrow, 13; Lincoln's Sparrow, 1; Swamp Sparrow, 7 (3 observers); Song Sparrow, 34. **Total,** 56 species; about 11,634 individuals.—John Carr, Eunice Dingus (compiler), Wilson Dingus, Ruth Fauhl, Henry Moody, Almeda Moody, Jack Morse, Mary Morse, Rosetta Stevenson, Ivan Sutton, John W. Wallace, Frank Wood (Linn County Audubon Society).

486. Manhattan, Kans. (all points within a 15-mile diameter circle, center at Kansas State University Campus; open grassland 25%, cultivated fields 10%, brushland 25%, woods 15%, lake and river 25%).—Dec. 26; 7 a.m. to 5:30 p.m. Clear; temp. 20° to 40°; wind NW, 10 m.p.h.; no snow on ground, water partly open. Seven observers in 2 parties. Total party-hours, 21 (17 on foot, 4 by car); total party-miles, 50 (40 on foot, 10 by car). ► Mallard, 120; Red-tailed Hawk, 8; Rough-legged Hawk, 1; **Golden Eagle, 1**; Marsh Hawk, 6; Sparrow Hawk, 7; Greater Prairie Chicken, 13; Am. Coot, 1; Mourning Dove, 10; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Red-shafted Flicker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 15; Blue Jay, 34; Common Crow, 80; Black-capped Chickadee, 35; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Brown Creeper, 3; Robin, 68; Eastern Bluebird, 21; **Townsend's Solitaire, 1**; Golden-crowned Kinglet, 2; Cedar Waxwing, 16; Starling, 360; House Sparrow, 70; Eastern Meadowlark, 60; Western Meadowlark, 13; Redwinged Blackbird, 62; Brewer's Blackbird, 7; Cardinal, 32; Pine Siskin, 5; Am. Goldfinch, 14; **Red Crossbill, 16**; Slate-colored Junco, 92; Tree Sparrow, 160; **Chipping Sparrow, 2** (carefully identified); Harris' Sparrow, 62; Song Sparrow, 11. **Total,** 43 species; about 1461 individuals.—E. K. Beals, Donald Gier, H. T. Gier, Lloyd Hulbert, E. R. Lewis (compiler), Paul Lewis, Philip Marvin.

487. Olathe, Kans. (all points within a 15-mile diameter circle, center at Gardner Lake, including Olathe Lake, Saddle Club Lake, Olathe Reservoir; open country and cultivated fields 28%, woods, brushland and creeks 60%, lakes 12%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy to clear; temp. 17° to 28°; wind NW, 5 m.p.h.; creeks and lakes partly frozen. Nine observers in 2 parties. Total party-hours, 15 (7 on foot, 8 by car); total party-miles, 140 (10 on foot, 130 by car). ► Red-tailed Hawk, 13; Harlan's Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 9; Mourning Dove, 100; Great Horned Owl, 9; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 13; Hairy Woodpecker, 8; Downy Woodpecker, 17; Horned Lark, 1; Blue Jay, 34; Common Crow, 128; Black-capped Chickadee, 55; Tufted Titmouse, 4; Brown Creeper, 7; Winter Wren, 1; Mockingbird, 2; Robin, 1; Golden-crowned Kinglet, 2; Loggerhead Shrike, 10; Starling, 560; House Sparrow, 858; meadowlark (sp.), 152; Cardinal, 262; Am. Goldfinch, 5; Slate-colored Junco, 126; Oregon Junco, 1; Tree Sparrow, 129; Harris' Sparrow, 31; White-crowned Sparrow, 4; Song Sparrow, 18; Lapland Longspur, 100. **Total,** 35 species; about 2679 individuals.—Amelia Betts, Barbara Boyd, Ivan L. Boyd (compiler), Margaret Boyd, Roger Boyd, Katharine Kelley, Mrs. Francis McKaughn, Fred Purvis, Ray Wackly.

488. Pittsburg, Kans. (all points within a 15-mile diameter circle, center at college as in previous years; wooded streams and ponds 65%, cultivated lands 25%, open grassland 5%, urban 5%).—Dec. 31; 7 a.m. to 5 p.m. Cloudy a.m., clearing p.m.; temp. 32° to 40°; wind N, 5-8 m.p.h. Four observers in 3 parties. Total party-hours, 27 (25 on foot, 2 by car); total party-miles, 34 (10 on foot, 24 by car). ► Red-tailed Hawk, 7; Marsh Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 4; Bobwhite, 20; Mourning Dove, 31; Great Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 43; Hairy Woodpecker, 3; Downy Woodpecker, 12; Blue Jay, 62; Common Crow, 33; Carolina Chickadee, 21; Tufted Titmouse, 16; White-breasted Nuthatch, 2; Carolina Wren, 2; Mockingbird, 4; Brown Thrasher, 2; Robin, 3; Eastern Bluebird, 4; Golden-crowned Kinglet, 8; Cedar Waxwing, 5; Loggerhead Shrike, 2; Starling, 168; House Sparrow, 112; Eastern Meadowlark, 1; Cardinal, 32; Am. Goldfinch, 3; Slate-colored Junco, 55; Oregon Junco, 1; Tree Sparrow, 7; Harris' Sparrow, 1; White-crowned Sparrow, 1; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 39 species; about 708 individuals.—Ross H. Anderson, Bessie Boso, Gladys C. Galligar, Theodore M. Sperry (compiler).

489. Quivira National Wildlife Refuge, Kans. (all points within a 15-mile diameter circle, center Refuge Headquarters 18 miles northeast of Stafford).—Dec. 21; 7:30 a.m. to 5:15 p.m. Overcast a.m., cloudy p.m.; temp. 10° to 16°; wind NNW, 25-35 m.p.h. Two observers in 1 party. Total party-hours, 10 (1 on foot, 9 by car); total party-miles, 128 (2 on foot, 126 by car). ► Canada Goose, 200; Mallard, 2000; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 5; Ferruginous Hawk, 1; Golden Eagle, 5; Bald Eagle, 34; Marsh Hawk, 17; Sparrow Hawk, 2; Bobwhite, 18; Ring-necked Pheasant, 14; Mourning Dove, 6; Great Horned Owl, 9; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 1000; Blue Jay, 1; Common Crow, 73; Black-capped Chickadee, 5; Starling, 20; House Sparrow, 3; Western Meadowlark, 260; Redwinged Blackbird, 2500; Cardinal, 1; Vesper Sparrow, 15; Tree Sparrow, 3650; Harris' Sparrow, 54; Chestnut-collared Longspur, 3000. **Total,** 30 species; about 12,912 individuals.—Wayne E. Dale, Joshua J. Harman (compiler).

490. Topeka, Kans. (all points within a 15-mile diameter circle, center State House, including Gage

Park, Rochester and Mount Hope Cemeteries, Menninger Grounds, Municipal Airport, Lake Shawnee; farmlands 50%, woodlots 20%, pastures and weed-beds 20%, lake and stream areas 10%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy to clear; temp. 30° to 45°; wind NW, 10-15 m.p.h.; some snow in protected areas. Seventeen observers in 8 parties. Total party-hours, 93 (3 on foot, 90 by car); total party-miles, 380 (10 on foot, 370 by car). ► Mallard, 175; Black Duck, 2; Pintail, 2; Hooded Merganser, 5; Common Merganser, 50; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Harlan's Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 6; Greater Prairie Chicken, 17; Bobwhite, 13; Am. Coot, 2; Killdeer, 5; Mourning Dove, 14; Screech Owl, 2; Great Horned Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 10; Horned Lark, 36; Blue Jay, 15; Common Crow, 27; Black-capped Chickadee, 12; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 6; Carolina Wren, 1; Mockingbird, 3; Brown Thrasher, 1; Robin, 2; Eastern Bluebird, 13; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 15; Loggerhead Shrike, 4; Starling, 6000; House Sparrow, 300; Eastern Meadowlark, 13; Brown-headed Cowbird, 14; Cardinal, 31; Pine Siskin, 32; Am. Goldfinch, 10; Red Crossbill, 43; Rufous-sided Towhee, 2; Slate-colored Junco, 47; Oregon Junco, 2; Tree Sparrow, 60; Field Sparrow, 1; Harris' Sparrow, 17; White-throated Sparrow, 1; Song Sparrow, 8; Lapland Longspur, 17. **Total,** 61 species; about 7094 individuals. (Seen in area count period, but not on count day: Canada Goose, Long-eared Owl.)—John P. Atkinson, L. B. Carson (compiler), Roberta Foote, Mrs. Walter Huxman, Dr. and Mrs. Robert H. Kingman, Mrs. Doris Martin, Pearl Maus, Clyde R. Morris, T. W. Nelson, Orville O. Rice, Mrs. John C. Schuler, Mrs. Emma L. Thompson, Joyce Thompson, Eugene Willet, Harold Williams (Topeka Audubon Society).

491. Wichita, Kans. (all points within a 15-mile diameter circle, center confluence of Arkansas and Little Arkansas Rivers; open fields 30%, brushland 10%, creeks, rivers and ponds 50%, woodland 10%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind N, 10 m.p.h. Nineteen observers in 4 parties. Total party-hours, 32 (18 on foot, 14 by car); total party-miles, 220 (29 on foot, 191 by car). ► Mallard, 250; Pintail, 5; Shoveler, 2; Redhead, 10; Common Merganser, 2; Red-tailed Hawk, 10; Rough-legged Hawk, 6; Marsh Hawk, 17; Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 23; Bobwhite, 1; Ring-necked Pheasant, 3; Killdeer, 3; Mourning Dove, 51; Great Horned Owl, 12; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 55; Red-shafted Flicker, 8; Red-bellied Woodpecker, 9; Hairy Woodpecker, 18; Downy Woodpecker, 18; Horned Lark, 36; Blue Jay, 13; Common Crow, 232; Black-capped Chickadee, 63; Tufted Titmouse, 20; Red-breasted Nuthatch, 5; Brown Creeper, 16; Winter Wren, 1; Mockingbird, 2; Brown Thrasher, 2; Robin, 20; Townsend's Solitaire, 1; Golden-crowned Kinglet, 28; Loggerhead Shrike, 1; Starling, 5832; House Sparrow, 409; Eastern Meadowlark, 242; Western Meadowlark, 69; Common Grackle, 1; Cardinal, 92; Pine Siskin, 2; Am. Goldfinch, 37; Red Crossbill, 25; Rufous-sided Towhee, 1; Slate-colored Junco, 245; Oregon Junco, 12; Tree Sparrow, 107; **Chipping Sparrow,** 1; Field Sparrow, 13; Harris' Sparrow, 355; Song Sparrow, 54. **Total,** 54 species; about 8448 individuals.—Mrs. Galen Abbott, J. Walker Butin, Mr. and Mrs. C. Stedman Chaplin, Kirk E. Downing, Leona Duncan, Carl S. Holmes, David Holmes, Horace W. Johnson, Daniel S. Kilby, Geneva Kingkade, Mr. and Mrs. D. R. Love, Mr. and Mrs. N. H. McDonald, O. J. Selfridge (compiler), Mr. and Mrs. S. T. Stafford, Ralph Wiley.

492. Bartlesville, Okla. (all points within a 15-mile diameter circle, center entrance to Osage Hills State Park 11 miles west of Bartlesville; oak and rocky hills 40%, creekbottoms 30%, open prairies 20%, farm pastures 10%).—Dec. 31; 7 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 32° to 40°; wind S, 10 m.p.h. Three observers in 1-2 parties. Total party-hours, 16 (6 on foot, 10 by car); total party-miles, 39 (6 on foot, 33 by car). ► Great Blue Heron, 1; **Whistling Swan, 1** (many observers, Jan. 1); Mallard, 7; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bobwhite, 13; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 7; Blue Jay, 100; Common Crow, 100; Carolina Chickadee, 19; Tufted Titmouse, 12; White-breasted Nuthatch, 8; Brown Creeper, 1; Carolina Wren, 4; Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 2; Cedar Waxwing, 12; Starling, 15; House Sparrow, 25; Cardinal, 15; Pine Siskin, 8; Am. Goldfinch, 14; Slate-colored Junco, 15; Harris' Sparrow, 3; White-crowned Sparrow, 2; Fox Sparrow, 2. **Total,** 35 species; about 457 individuals.—Ronald Darrah (compiler), Robert J. Haas, Mrs. Leo McReynolds.

493. Boise City, Okla. (all points within a 15-mile diameter circle, center 7 miles north of city center, including Cimarron River and Boise City Lake; open prairie 58%, wooded streambottoms 25%, cultivated fields 10%, urban 5%, orchard 1%, lake 1%).—Dec. 23; 7:30 a.m. to 4 p.m. Partly cloudy; temp. 20° to 55°; wind SW, 0-15 m.p.h.; ground clear, thawing in afternoon. Four observers in 1-3 parties. Total party-hours, 11½ (8½ on foot, 3 by car); total party-miles, 54 (9 on foot, 45 by car). ► Canada Goose, 4; Mallard, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Ferruginous Hawk, 5; Marsh Hawk, 10; Sparrow Hawk, 2; Scaled Quail, 32; Ring-necked Pheasant, 2; Killdeer, 1; Great Horned Owl, 1; Yellow-shafted Flicker, 2; Red-shafted Flicker, 30; Hairy Woodpecker, 4; Downy Woodpecker, 3; Horned Lark, 305; Scrub Jay, 1; Black-billed Magpie, 40; Common Crow, 2; Mountain Chickadee, 4; Brown Creeper, 1; Mockingbird,

1; Robin, 10; shrike (sp.), 1; Starling, 850; Myrtle Warbler, 3; House Sparrow, 150; Western Meadowlark, 20; Redwinged Blackbird, 55; Rusty Blackbird, 75; Brown-headed Cowbird, 20; **Cassin's Finch, 161** (invasion this year); Pine Siskin, 13; Am. Goldfinch, 15; Lesser Goldfinch, 5; Rufous-sided Towhee, 4; Brown Towhee, 44; Rufous-crowned Sparrow, 1; White-winged Junco, 1; Slate-colored Junco, 1; Oregon Junco, 490 (some Pink-sided); Tree Sparrow, 260; **Field Sparrow, 3** (J.W.); White-crowned Sparrow, **143**; Song Sparrow, 68. **Total,** 45 species (1 additional race); about 2849 individuals.—W. Marvin Davis, Kay E. Oring, Lewis W. Oring (compiler), John A. Weins (Univ. of Oklahoma).

494. **Fort Gibson Reservoir, Okla.** (all points within a 15-mile diameter circle, center at Okay as in previous years; lake and river 25%, deciduous woodland 40%, open prairie 20%, agricultural 15%).—Jan. 1; 6 a.m. to 6 p.m. Clear; temp. 20° to 61°; wind S, 0-15 m.p.h.; ground clear, shallow ponds frozen. Seven observers in 3 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 156 (13 on foot, 143 by car). ► Horned Grebe, 11; Pied-billed Grebe, 4; Great Blue Heron, 27; Canada Goose, 83; Snow Goose, 3; Mallard, 7000; Black Duck, 2; Green-winged Teal, 4; Common Goldeneye, 45; Hooded Merganser, 17; Common Merganser, 1035; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, **122** (1 Krider's, 6 melanistic); Harlan's Hawk, 1; Rough-legged Hawk, 7; Bald Eagle, **28** (counted leaving roost); Marsh Hawk, 59; Sparrow Hawk, 14; Greater Prairie Chicken, 1; Bobwhite, 2; Killdeer, 4; Common Snipe, 1; Herring Gull, 6; Ring-billed Gull, 350; Mourning Dove, 4; Barn Owl, 2; Great Horned Owl, 10; Barred Owl, 1; Short-eared Owl, 33; Belted Kingfisher, 4; Yellow-shafted Flicker, 80; Pileated Woodpecker, 3; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 23; Horned Lark, 108; Blue Jay, 117; Common Crow, 270; Carolina Chickadee, 62; Tufted Titmouse, 50; White-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 24; Rock Wren, 1; Mockingbird, 12; Brown Thrasher, 2; Robin, 216; Eastern Bluebird, 32; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 2; Cedar Waxwing, 41; Loggerhead Shrike, 22; Starling, 300; Myrtle Warbler, 31; House Sparrow, 125; Eastern Meadowlark, 90; Western Meadowlark, 1; Redwinged Blackbird, 5900; Rusty Blackbird, 90; Common Grackle, 52; Brown-headed Cowbird, 55; Cardinal, 103; Purple Finch, 30; Am. Goldfinch, 32; Savannah Sparrow, 25; Slate-colored Junco, 233; Tree Sparrow, 36; Field Sparrow, 12; Harris' Sparrow, 47; White-crowned Sparrow, 6; White-throated Sparrow, 67; Fox Sparrow, 5; Swamp Sparrow, 9; Song Sparrow, 23. **Total,** 80 species (1 additional race); about 17,295 individuals. (Seen in area count period, but not on count day: Roadrunner, Water Pipit, Lapland Longspur.)—Steve Ball, Forrest Bebb, M. R. Bebb, James Norman (compiler), Jerrel Parent, Eddie Powell, Vaud Travis, Jr.

495. **Hulah Reservoir, Okla.** (all points within a 15-mile diameter circle, center Hulah Dam 25 miles NW of Bartlesville; impounded water 10%, scrub oak woodland 40%, pasture and grassland 30%, open prairie 20%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 30° to 45°; wind N, 5-8 m.p.h.; lake open, shallow sloughs frozen. Eighteen observers in 4 parties. Total party-hours, 32 (18 on foot, 14 by car); total party-miles, 70 (20 on foot, 50 by car). ► Great Blue Heron, 4; Snow Goose, 150; Mallard, 67; Gadwall, 11; Lesser Scaup, 1; Common Goldeneye, 12; Hooded Merganser, 10; Common Merganser, 1000; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Bald Eagle, 4; Marsh Hawk, 2; Sparrow Hawk, 6; Bobwhite, 4; Herring Gull, 3; Ring-billed Gull, 25; Mourning Dove, 2; Barn Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Red-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 62; Hairy Woodpecker, 5; Downy Woodpecker, 5; Horned Lark, 5; Blue Jay, 76; Common Crow, 47; Carolina Chickadee, 32; Tufted Titmouse, 12; White-breasted Nuthatch, 6; Brown Creeper, 2; Bewick's Wren, 6; Carolina Wren, 3; Mockingbird, 2; Robin, 2; Eastern Bluebird, 34; Golden-crowned Kinglet, 8; Loggerhead Shrike, 20; Starling, 40; Myrtle Warbler, 6; House Sparrow, 35; Eastern Meadowlark, 90; Redwinged Blackbird, 365; Brown-headed Cowbird, 55; Cardinal, 29; Pine Siskin, 236; Am. Goldfinch, 77; Rufous-sided Towhee, 24; Vesper Sparrow, 1; Slate-colored Junco, 94; Oregon Junco, 1; Tree Sparrow, 18; Field Sparrow, 1; Harris' Sparrow, 52; Fox Sparrow, 4; Lincoln's Sparrow, 4; Song Sparrow, 17. **Total,** 60 species; about 2812 individuals. (Seen in area count period, but not on count day: Canada Goose, White-fronted Goose, Blue-winged Teal, Golden Eagle, Purple Finch.)—Mrs. Thomas C. Blassingame, Mrs. Marty Brown, Ronald Darrah, Mr. and Mrs. Howard W. Goard, Robert J. Haas, Elizabeth Hicks, Mr. and Mrs. Rex Hunter, Mr. and Mrs. M. P. Matuszak, Mrs. Albert M. Mery (compiler), Mrs. John F. Messerly, Grace Ray, Mrs. L. H. Sexton, Paul W. Solomon, Mr. and Mrs. Edwin Van den Bark.

496. **Kenton–Black Mesa, Okla.** (all points within a 15-mile diameter circle, center 4½ miles east of Kenton, including Cimarron River, Tesesquite Creek, Black Mesa; wooded mesas 30%, yucca-cactus desert 30%, wooded streambottoms 30%, cultivated fields 9%, lake 1%).—Dec. 22; 8 a.m. to 6 p.m. Clear; temp. 18° to 35°; wind NW, 0-20 m.p.h.; all still and most moving water frozen. Four observers in 3 parties. Total party-hours, 23 (21 on foot, 2 by car); total party-miles, 78 (28 on foot, 50 by car). ► Green-winged Teal, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 7; Scaled Quail, 18; Turkey, 7; Killdeer, 4; Common Snipe, 2; Mourning Dove, 22; Roadrunner, 1; Great Horned Owl, 2; Belted Kingfisher, 3; Red-shafted Flicker, 21; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Ladder-

backed Woodpecker, 2; Horned Lark, 60; **Steller's Jay, 14** (close range by all); Scrub Jay, 8; Black-billed Magpie, 51; **Common Raven, 2** (seen and heard); Common Crow, 3; Piñon Jay, 1; Mountain Chickadee, 19; Common Bushtit, 70; White-breasted Nuthatch, 1; Brown Creeper, 2; Bewick's Wren, 8; Cañon Wren, 1; Rock Wren, 1; Mockingbird, 2; Curve-billed Thrasher, 2; Robin, 159; Mountain Bluebird, **570**; Townsend's Solitaire, **57**; Loggerhead Shrike, 3; Starling, 19; House Sparrow, 10; Western Meadowlark, 17; Redwinged Blackbird, 2; **Evening Grosbeak, 16** (seen well); **Cassin's Finch, 221** (invasion); Pine Siskin, 23; Am. Goldfinch, 9; Rufous-sided Towhee, 4; Brown Towhee, **217**; White-winged Junco, 1; Slate-colored Junco, 4; Oregon Junco, 630 (half Pink-sided); Gray-headed Junco, 1; Tree Sparrow, 78; Song Sparrow, 8; **Snow Bunting, 3** (directly overhead—L.O.). **Total,** 59 species (1 additional race); about 2399 individuals.—W. Marvin Davis, Kay E. Oring, Lewis W. Oring (compiler), John A. Wiens (Univ. of Oklahoma).

497. Norman, Okla. (all points within a 15-mile diameter circle, center same as last year).—Dec. 31; 7:30 a.m. to 5:30 p.m. Snowing at dawn, overcast, clearing by noon; temp. 32° to 42°; wind N, 0-10 m.p.h.; 3-in. fresh snow melting rapidly, no ice. Eleven observers in 4 parties. Total party-hours, 31 (25 on foot, 6 by car); total party-miles, 107 (18 on foot, 89 by car). ► Pied-billed Grebe, 1; Mallard, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 12; Harlan's Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 9; **Pigeon Hawk, 2** (M.D., L.G., L.O.); Sparrow Hawk, 9; Bobwhite, 73; Killdeer, 17; Common Snipe, 3; Mourning Dove, 21; Great Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 68; Red-shafted Flicker, 6; Pileated Woodpecker, 4; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 13; Downy Woodpecker, 31; Horned Lark, 204; Blue Jay, 50; Common Crow, 149; Carolina Chickadee, 86; Tufted Titmouse, 83; White-breasted Nuthatch, **29**; Brown Creeper, 5; Winter Wren, 5; Bewick's Wren, 8; Carolina Wren, 10; Mockingbird, 14; Robin, 234; Eastern Bluebird, 58; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 4; Cedar Waxwing, 187; Loggerhead Shrike, 6; Starling, 60; **Orange-crowned Warbler, 1** (M.D.); Myrtle Warbler, **97**; House Sparrow, 645; Eastern and Western Meadowlark, 680; Redwinged Blackbird, 72; Rusty Blackbird, 7; Cardinal, 86; Purple Finch, 4; Pine Siskin, 30; Am. Goldfinch, 214; Rufous-sided Towhee, 6; Savannah Sparrow, 66; Le Conte's Sparrow, 6; Slate-colored Junco, 326; Oregon Junco, 13 (incl. Pink-sided); Tree Sparrow, 133; Field Sparrow, 23; Harris' Sparrow, 74; White-crowned Sparrow, 1; White-throated Sparrow, 41; Fox Sparrow, 3; Lincoln's Sparrow, 7; Song Sparrow, 78; Lapland Longspur, 100; Smith's Longspur, 5; Chestnut-collared Longspur, 25. **Total,** 71 species (1 additional race); about 4299 individuals. (Seen in area count period, but not on count day: Short-billed Marsh Wren, Common Grackle, Red Crossbill.)—Harold Cooksey, Marvin Davis (compiler), Leo Galloway, John Janovy, Mrs. O. D. Johns, David Lignon, Lewis Oring, Grace Ray, Mr. and Mrs. John Taylor, Lovie Whitaker.

498. Oklahoma City, Okla. (all points within a 15-mile diameter circle, center at North May Ave. and Northwest Highway).—Dec. 26; 7:30 a.m. to 5:30 p.m.; temp. 28° to 48°; wind SW, 15-20 m.p.h. Twenty observers in 4 parties. Total party-hours, 32; total party-miles, 85 (10 on foot, 75 by car). ► Common Loon, 3; Horned Grebe, 2; Great Blue Heron, 4; Mallard, 2000; Gadwall, 175; Pintail, 8; Green-winged Teal, 75; Am. Widgeon, 10; Shoveler, 2; Redhead, 5; Ring-necked Duck, 2; Canvasback, 35; Lesser Scaup, 6; Common Goldeneye, 8; Bufflehead, 8; Hooded Merganser, 1; Common Merganser, 100; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 12; Pigeon Hawk, 1; Sparrow Hawk, 6; Bobwhite, 18; Am. Coot, 20; Killdeer, 14; **Least Sandpiper, 15**; Herring Gull, 2; Ring-billed Gull, 250; Mourning Dove, 2; Screech Owl, 1; Great Horned Owl, 7; Burrowing Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 61; Red-shafted Flicker, 3; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 4; Hairy Woodpecker, 11; Downy Woodpecker, 19; Horned Lark, 35; Blue Jay, 81; Common Crow, 56; Carolina Chickadee, 89; Tufted Titmouse, 42; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 6; Mockingbird, 36; Brown Thrasher, 2; Robin, 399; Eastern Bluebird, 34; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 3; Cedar Waxwing, 15; Loggerhead Shrike, 8; Starling, 175; Myrtle Warbler, 147; House Sparrow, 145; Eastern Meadowlark, 438; Western Meadowlark, 3; Redwinged Blackbird, 3; Cardinal, 55; Pine Siskin, 5; Am. Goldfinch, 200; Red Crossbill, 12; Rufous-sided Towhee, 10; Savannah Sparrow, 7; Slate-colored Junco, 73; Oregon Junco, 13; Tree Sparrow, 96; Field Sparrow, 6; Harris' Sparrow, 67; White-crowned Sparrow, 1; White-throated Sparrow, 5; Fox Sparrow, 1; Song Sparrow, 34. **Total,** 81 species; about 5262 individuals.—Bill Carter, Herb Chezem, Mrs. Paula Chezem, Walter Doane, Mabel Doane, Bevo Edwards, Paul Forsythe, Carolyn Forsythe, Allen Greer, Leo Galloway, J. E. Martin (compiler), Mrs. J. E. Martin, John G. Newell, Tom Parker, Al Reed, John Shackford, Brod Thatch, V. J. Vacin, M. V. Van Meter, Mrs. M. V. Van Meter (Oklahoma City Audubon Society).

499. Salt Plains National Wildlife Refuge, Okla. (all points within a 15-mile diameter circle, center Refuge Headquarters; dam spillway and Salt Fork River east to Little Bird Lane, east side of lake and north to fish hatchery, south side of lake to Castle place; lake 30%, agricultural 25%, deciduous woodland 35%, grassland 10%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 32° to 40°; winds NW, 5-15 m.p.h.; waters open, lake choppy entire day. Eight observers in 4 parties. Total party-hours, 31 (17 on foot, 14 by car); total party-miles, 60

(18 on foot, 42 by car). ► **White Pelican, 6**; Great Blue Heron, 157; Canada Goose, 7285; White-fronted Goose, **56**; Snow Goose, 2; Blue Goose, 1; Mallard, 840; Gadwall, 3; Green-winged Teal, 2856; Am. Widgeon, 8; Shoveler, 22; Lesser Scaup, 11; Common Goldeneye, 11; Bufflehead, 35; Ruddy Duck, 1; Hooded Merganser, 18; Common Merganser, 4271; Red-tailed Hawk, 7; Harlan's Hawk, 1; Golden Eagle, 11; Bald Eagle, 19; Marsh Hawk, 15; Sparrow Hawk, 4; Bobwhite, 36; Ring-necked Pheasant, 2; Turkey, 29; Killdeer, 3; Herring Gull, 3; Ring-billed Gull, 1200; Mourning Dove, 1; Great Horned Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 14; Red-shafted Flicker, 11; Red-bellied Woodpecker, 10; Hairy Woodpecker, 5; Downy Woodpecker, 17; Common Crow, 57; Carolina Chickadee, 97; Tufted Titmouse, 3; Brown Creeper, 5; Winter Wren, 4; Bewick's Wren, 13; Carolina Wren, 1; Long-billed Marsh Wren, 2; **Catbird, 1**; Robin, 6; Eastern Bluebird, 27; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 1; Starling, 14; House Sparrow, 26; Western Meadowlark, 39; Redwinged Blackbird, 31; Brown-headed Cowbird, 7; Cardinal, 105; Pine Siskin, 15; Am. Goldfinch, 31; Rufous-sided Towhee, 49; Savannah Sparrow, 18; Le Conte's Sparrow, 1; Slate-colored Junco, 13; Oregon Junco, 1; Tree Sparrow, 196; Field Sparrow, 3; Harris' Sparrow, 256; White-crowned Sparrow, 1; White-throated Sparrow, 12; Fox Sparrow, 2; Lincoln's Sparrow, 8; Song Sparrow, 76. **Total,** 72 species; about 18,128 individuals. (Seen in area count period, but not on count day: Pintail, Redhead, Canvasback, Swamp Sparrow.)—Fred L. Bolwahnn (compiler), Lyle Byfield, Addie Fromholz, Florel Helema, Paul Nighswonger, Mrs. Bruce Reynolds, Bruce Reynolds, Bess Smith.

500. Spavinaw, Okla. (all points within a 15-mile diameter circle, center at Tulsa Ozark Club, including Upper and Lower Spavinaw Lakes, Grand River Dam; lake 22%, deciduous woodland 55%, agricultural 20%, hatchery ponds 3%).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 24° to 52°; wind N, 0-15 m.p.h.; shallow ponds and sloughs frozen. Five observers in 2 parties. Total party-hours, 22 (15 on foot, 7 by car); total party-miles, 137 (12 on foot, 125 by car). ► Horned Grebe, 1; Great Blue Heron, 18; Mallard, 6; Common Goldeneye, 25; Common Merganser, 35; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 8; Sparrow Hawk, 2; Am. Coot, 1; Killdeer, 13; Common Snipe, 10; Herring Gull, 4; Ring-billed Gull, 125; Mourning Dove, 1; Great Horned Owl, 9; Belted Kingfisher, 8; Yellow-shafted Flicker, 15; Pileated Woodpecker, 8; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 115; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 3; Downy Woodpecker, 40; Horned Lark, 4; Blue Jay, 65; Common Crow, 130; Carolina Chickadee, 48; Tufted Titmouse, 55; White-breasted Nuthatch, 20; Brown Creeper, 13; Winter Wren, 3; Carolina Wren, 15; Robin, 2; Eastern Bluebird, 15; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 9; Cedar Waxwing, 60; Loggerhead Shrike, 12; Starling, 150; Myrtle Warbler, 24; House Sparrow, 60; Eastern Meadowlark, 50; Cardinal, 35; Purple Finch, 25; Am. Goldfinch, 15; Slate-colored Junco, 105; Field Sparrow, 26; White-throated Sparrow, 30; Swamp Sparrow, 12; Song Sparrow, 15. **Total,** 51 species; about 1505 individuals.—James L. Norman (compiler), Mrs. James L. Norman, Jerrel Parent, Vaud A. Travis, Jr., James Wood.

501. Stillwater, Okla. (all points within a 15-mile diameter circle, center 5 miles west of Stillwater).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 31° to 45°; wind NE, 5-10 m.p.h.; water open, lakes and ponds nearly full. Six observers in 1-2 parties. Total party-hours, 12½ (11 on foot, 1½ by car); total party-miles, 56 (12 on foot, 44 by car). ► Great Blue Heron, 3; Mallard, 25; Pintail, 12; Green-winged Teal, 30; Am. Widgeon, 1; Ring-necked Duck, 5; Lesser Scaup, 12; **Oldsquaw, 1**; Common Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, **3**; Marsh Hawk, **1**; Sparrow Hawk, 2; Am. Coot, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 12; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 54; Common Crow, 45; Carolina Chickadee, 31; Tufted Titmouse, 24; White-breasted Nuthatch, 2; Brown Creeper, 3; Bewick's Wren, 1; Mockingbird, 2; Robin, 52; Eastern Bluebird, **4**; Golden-crowned Kinglet, 6; Loggerhead Shrike, 4; Starling, 220; Myrtle Warbler, 16; House Sparrow, 130; Eastern Meadowlark, 26; Western Meadowlark, 8; meadowlark (sp.), 90; Redwinged Blackbird, 800; Rusty Blackbird, 18; blackbird (sp.), 200; Cardinal, 27; Pine Siskin, 25; Am. Goldfinch, 101; **Red Crossbill, 8**; Rufous-sided Towhee, 1; Slate-colored Junco, 25; Tree Sparrow, 53; Field Sparrow, 28; Harris' Sparrow, 80; Lincoln's Sparrow, 2; Song Sparrow, 55. **Total,** 52 species; about 2288 individuals.—George L. Barnes, Billy Barnes, F. M. Baumgartner (compiler), Mrs. F. M. Baumgartner, Frieda Bradsher (Payne County Audubon Society).

502. Tulsa, Okla. (all points within a 15-mile diameter circle, center Mohawk Park 5 miles northeast of Tulsa as in 1959, including Sperry and Garnett areas).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 32° to 50°; wind N to NW, 10-15 m.p.h. Twenty-seven observers in 8 parties. Total party-hours, 60 (45 on foot, 15 by car); total party-miles, 87 (37 on foot, 50 by car). ► Common Loon, 2; Great Blue Heron, 15; Mallard, 375; Black Duck, 1; Gadwall, 2; Pintail, 18; Redhead, 1; Lesser Scaup, 2; Common Goldeneye, 17; Bufflehead, 3; Hooded Merganser, 5; Common Merganser, 567; Sharp-shinned Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 3; Bald Eagle 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bobwhite, 41; Killdeer, 1; Common Snipe, 1; Herring Gull, 12; Ring-billed Gull, 128; Mourning Dove, 12; Belted Kingfisher, 3; Yellow-shafted Flicker, 175; Red-shafted Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 43; Red-headed Woodpecker, 155; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 85; Horned Lark, 4; Blue Jay, 268; Common Crow, 222; Carolina Chickadee, 181;

Tufted Titmouse, 160; White-breasted Nuthatch, 19; Brown Creeper, 10; Carolina Wren, 2; Mockingbird, 28; Brown Thrasher, 9; Robin, 20; Hermit Thrush, 2; Eastern Bluebird, 25; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Cedar Waxwing, 28; Loggerhead Shrike, 4; Starling, 331; Myrtle Warbler, 94; House Sparrow, 133; Eastern Meadowlark, 191; Western Meadowlark, 3; Redwinged Blackbird, 751; Rusty Blackbird, 174; Brewer's Blackbird, 200; Common Grackle, 9; Brown-headed Cowbird, 5; blackbird (sp.), 231; Cardinal, 115; Pine Siskin, 5; Am. Goldfinch, 98; Rufous-sided Towhee, 13; Savannah Sparrow, 1; Slate-colored Junco, 208; Tree Sparrow, 9; Field Sparrow, 3; Harris' Sparrow, 81; White-throated Sparrow, 190; Fox Sparrow, 48; Lincoln's Sparrow, 4; Swamp Sparrow, 12; Song Sparrow, 61. **Total,** 74 species; about 5668 individuals. (Seen in area count period, but not on count day: **Oldsquaw,** Am. Coot.)—Mrs. A. L. Caldwell, Mr. and Mrs. Leo Clote, C. L. Criswell, Lea Davis, Mary Jo Erhardt, Fraser Getgood, Mrs. G. C. Getgood, Mrs. Roy L. Ginter, Elton L. Hall, Jimmy Hohulski, Raymond Johnson, David O. Kassing, Edith Force Kassing, C. N. Kosier, Harold E. Laughlin, Brooks Marshall, Mrs. Cranbrook Marshall, Mr. and Mrs. Bruce Reynolds, Forrest S. Romero, Mr. and Mrs. Harold C. Spore, Mrs. Edward A. Stanley, Mrs. G. E. Tenney, G. E. Tenney (compiler), John S. Tomer.

503. Wichita Mountains Wildlife Refuge, Okla. (all points within a 15-mile diameter circle, center Mt. Marcy, including French, Comanche, Grama, Thomas and Parker Lakes, Cedar Creek, Pecan Springs; lake shores 10%, creekbottoms 40%, oak and rocky hills 15%, open prairie 35%).—Dec. 30; 8 a.m. to 5 p.m. Partly cloudy; temp. 18° to 49°; wind N, 1-5 m.p.h.; lakes and ponds partly open. Seven observers in 3 parties. Total party-hours, 24 (8 on foot, 16 by car); total party-miles, 112 (12 on foot, 100 by car). ► Pied-billed Grebe, 12; Great Blue Heron, 1; Mallard, 114; Gadwall, 296; Green-winged Teal, 43; Am. Widgeon, 1; Ring-necked Duck, 4; Common Goldeneye, 10; Bufflehead, 24; Hooded Merganser, 8; Red-tailed Hawk, 12; Bald Eagle, 9; Marsh Hawk, 11; Sparrow Hawk, 1; Bobwhite, 22; Turkey, 67; Mourning Dove, 18; Screech Owl, 1; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Red-shafted Flicker, 16; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Horned Lark, 3; Blue Jay, 33; Common Crow, 108; Carolina Chickadee, 57; Tufted Titmouse, 19; **Common Bushtit, 4** (R.B., W.D.); White-breasted Nuthatch, 4; Brown Creeper, 2; Bewick's Wren, 2; Carolina Wren, 2; Cañon Wren, 3; Rock Wren, 1; Brown Thrasher, 1; Robin, 158; Hermit Thrush, 1; Eastern Bluebird, 4; Townsend's Solitaire, 5; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 14; Cedar Waxwing, 12; Starling, 59; Myrtle Warbler, 79; House Sparrow, 2; Eastern Meadowlark, 80; Brewer's Blackbird, 150; Cardinal, 33; **Cassin's Finch, 12** (carefully—W.D.); Pine Siskin, 5; Am. Goldfinch, 1; Rufous-sided Towhee, 16; Rufous-crowned Sparrow, 3; Slate-colored Junco, 270; Oregon Junco, 43; Tree Sparrow, 14; Chipping Sparrow, 12; Field Sparrow, 51; Harris' Sparrow, 16; Song Sparrow, 12; Chestnut-collared Longspur, 186. **Total,** 66 species; about 2193 individuals.—Robert D. Burns, Charles C. Carpenter, W. Marvin Davis, Arthur F. Halloran (compiler), Mrs. Arthur F. Halloran, Arthur F. Halloran, Jr., John G. Halloran.

504. Wister Reservoir, Okla. (all points within a 15-mile diameter circle, center at Fanny Creek Recreation Area, including Wister Reservoir area between Highways 270 on east and 271 on west; deciduous woods 45%, pine woods 20%, lake 10%, roadside and fields 25%).—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. 20° to 46°; wind N, 0-10 m.p.h.; 2-in. snow in protected areas. Four observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 80 (5 on foot, 75 by car). ► Great Blue Heron, 6; Mallard, 3; Common Merganser, 2; Turkey Vulture, 25; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 6; Killdeer, 15; Mourning Dove, 50; Belted Kingfisher, 1; Yellow-shafted Flicker, 65; Pileated Woodpecker, 2; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 18; Eastern Phoebe, 2; Blue Jay, 40; Common Crow, 40; Carolina Chickadee, 35; Tufted Titmouse, 25; White-breasted Nuthatch, 6; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 15; Mockingbird, 2; Brown Thrasher, 1; Robin, 18; Eastern Bluebird, 30; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 6; Cedar Waxwing, 75; Loggerhead Shrike, 20; Starling, 35; Myrtle Warbler, 15; Pine Warbler, 2; House Sparrow, 25; Eastern Meadowlark, 250; Cardinal, 60; Purple Finch, 10; Am. Goldfinch, 53; Rufous-sided Towhee, 1; Slate-colored Junco, 350; Field Sparrow, 35; Harris' Sparrow, 2; White-crowned Sparrow, 6; White-throated Sparrow, 25; Fox Sparrow, 5; Song Sparrow, 12. **Total,** 51 species; about 1463 individuals.—Bill Beall, James Norman (compiler), Bill Stewart, Vaud Travis, Jr.

505. Abilene, Tex. (all points within a 15-mile diameter circle, center 22.6 miles SW of Abilene as last year; cedar brakes 5%, mixed cedar and deciduous woodland 45%, grassland 5%, cultivated fields 5%, lakes 30%, canyons and streams 10%).—Dec. 23; 7:20 a.m. to 7:25 p.m. Partly cloudy; temp. 25° to 55°; wind S, 10 m.p.h.; creeks frozen over early morning. Three observers in 1 party. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 88 (5 on foot, 83 by car). ► Eared Grebe, 2; Great Blue Heron, 8; Mallard, 1; Pintail, 1; Bufflehead, 5; **Hooded Merganser, 1** (close study); **Common Merganser, 7** (all drakes); Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Am. Coot, 13; Killdeer, 17; Common Snipe, 1; Spotted Sandpiper, 1; Greater Yellowlegs, 1 (seen and heard); Semipalmated Sandpiper, 3; Mourning Dove, 181; Roadrunner, 1; Screech Owl, 1; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 8; Downy Woodpecker, 1; Ladder-backed Woodpecker, 5; Eastern Phoebe, 1; Scrub

Jay, 2; Common Crow, 13; Carolina Chickadee, 7; Black-crested Titmouse, 25; Common Bushtit, 35; Red-breasted Nuthatch, 2; Bewick's Wren, 6; Cañon Wren, 1 (resident); Mockingbird, 19; Robin, 106; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 7; Water Pipit, 1; Loggerhead Shrike, 4; Myrtle Warbler, 29; Audubon's Warbler, 27; House Sparrow, 29; Western Meadowlark, 65; Redwinged Blackbird, 48; Brewer's Blackbird, 100; Brown-headed Cowbird, 567; Cardinal, 24; House Finch, 2; Am. Goldfinch, 52; Rufous-sided Towhee, 6; Lark Bunting, 1; Vesper Sparrow, 11; Lark Sparrow, 3; Rufous-crowned Sparrow, 4; Slate-colored Junco, 80; Oregon Junco, 28; Field Sparrow, 21; White-crowned Sparrow, 64; White-throated Sparrow, 9; Song Sparrow, 1. **Total,** 62 species; about 1673 individuals. (Seen in area count period, but not on count day: Red-headed Woodpecker, Yellow-bellied Sapsucker, Blue Jay, Hermit Thrush.)—Michael Bonine, Ronald L. Fowler (compiler), Marcus Mullings.

506. Alice, Tex. (all points within a 15-mile diameter circle, centered on quarter section (160 acres) of virgin brush country at NW corner of intersection of Farm Road 1554 and Jim Wells County Road 136, about 6 miles SW of Alice; mostly thick brush country, fields on 3 sides, 2 marshy grassy areas).—Dec. 24; 6:30 a.m. to 7 p.m.; temp. 40° to 75°; wind N, 5 m.p.h. Three observers in 1 party. Total party-hours, 12½ (all on foot); total party-miles, 8 (all on foot). ► Great Blue Heron, 5; Pintail, 9; Turkey Vulture, 11; Black Vulture, 6; Red-tailed Hawk, 10; Harris' Hawk, 5; Marsh Hawk, 7; Caracara, 2; Sparrow Hawk, 4; Bobwhite, 41; Sandhill Crane, 9; Killdeer, 43; Common Snipe, 17; Semipalmated Sandpiper, 2; Mourning Dove, 606; Ground Dove, 98; Screech Owl, 1; Great Horned Owl, 2; Pauraque, 3; Golden-fronted Woodpecker, 9; Eastern Phoebe, 1; Say's Phoebe, 1; Vermilion Flycatcher, 1; Horned Lark, 23; Black-crested Titmouse, 2; Verdin, 3; House Wren, 75; Bewick's Wren, 6; Cactus Wren, 40; Short-billed Marsh Wren, 3; Mockingbird, 110; Long-billed Thrasher, 2; Curve-billed Thrasher, 31; Blue-gray Gnatcatcher, 15; Ruby-crowned Kinglet, 1; Water Pipit, 2; Loggerhead Shrike, 4; Orange-crowned Warbler, 4; House Sparrow, 155; Eastern Meadowlark, 50; Western Meadowlark, 101; Brewer's Blackbird, 550; Brown-headed Cowbird, 553; Cardinal, 23; Pyrrhuloxia, 52; Am. Goldfinch, 10; Olive Sparrow, 1; Green-tailed Towhee, 2; Lark Bunting, 15; Savannah Sparrow, 21; Vesper Sparrow, 20; Lark Sparrow, 2; Black-throated Sparrow, 9; Field Sparrow, 1; White-crowned Sparrow, 2; Lincoln's Sparrow, 15. **Total,** 56 species; about 2796 individuals.—Richard O. Albert (compiler), Ted L. Austin, Terry S. Word.

507. Amarillo, Tex. (all points within a 15-mile diameter circle, center entrance to Palo Duro State Park; prairies 5%, streambeds with cottonwood and hackberry 30%, canyon walls 17%, grassland-mesquite-juniper-cactus 48%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 25° to 49°; wind 0-3 m.p.h.; creeks with water, no ice. Four observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 30 (12 on foot, 18 by car). ► Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 7; Prairie Falcon, 1; Sparrow Hawk, 1; Scaled Quail, 14; Killdeer, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-shafted Flicker, 11; Golden-fronted Woodpecker, 4; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 1; Horned Lark, 17; Black-crested Titmouse, 1; Bewick's Wren, 6; Cañon Wren, 2; Mockingbird, 4; Robin, 164; Townsend's Solitaire, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 1; Starling, 12; House Sparrow, 36; Western Meadowlark, 84; Cardinal, 7; House Finch, 2; Pine Siskin, 30; Am. Goldfinch, 6; Rufous-sided Towhee, 8; Black-throated Sparrow, 4; Oregon Junco, 299; Field Sparrow, 2; White-crowned Sparrow, 73; Lincoln's Sparrow, 6; Song Sparrow, 27. **Total,** 37 species; about 848 individuals. —Mrs. I. D. Acord (compiler), Mr. and Mrs. Robert Darnell, G. Lloyd Foster (Texas Panhandle Audubon Society).

508. Aransas National Wildlife Refuge, Tex. (all points within a 15-mile diameter circle, center near mid-point of Blackjack Peninsula; route along shore roads from 100 feet to ¾ mile inland; scrub oak thicket interspersed with Live Oak motts and savannah grasslands 90%, salt water, lake shore, open beach 10%).—Dec. 29; 7:45 a.m. to 5:30 p.m. Heavy overcast, occasional light rain; temp. 71° to 48°; wind NE, 4-10 m.p.h.; 3.04-in. rain preceding 24-hour period. Five observers in 1 party. Total party-hours, 9¾ (2 on foot, 7¾ by car); total party-miles, 37 (1 on foot, 36 by car). ► Horned Grebe, 1; Eared Grebe, 2; Pied-billed Grebe, 50; White Pelican, 36; Olivaceous Cormorant, 8; Great Blue Heron, 80; Little Blue Heron, 14; Reddish Egret, 1; Common Egret, 100; Snowy Egret, 2; Canada Goose, 556; Snow Goose, 80; Blue Goose, 8; Mallard, 10; Black Duck, 2; Mottled Duck, 2; Gadwall, 342; Pintail, 2261; Blue-winged Teal, 11; Am. Widgeon, 1700; Shoveler, 30; Lesser Scaup, 7; Common Goldeneye, 25; Bufflehead, 25; Ruddy Duck, 2; Turkey Vulture, 80; Black Vulture, 80; Sharp-shinned Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 2; White-tailed Hawk, 2; **Rough-legged Hawk, 1**; Ferruginous Hawk, 1; Marsh Hawk, 10; Caracara, 1; Sparrow Hawk, 60; Bobwhite, 9; Turkey, 14; **Whooping Crane, 5**; Am. Coot, 1200; Semipalmated Plover, 1; Snowy Plover, 1; Killdeer, 50; Common Snipe, 2; Long-billed Curlew, 4; Willet, 4; Greater Yellowlegs, 21; Dunlin, 6; Short-billed Dowitcher, 6; Western Sandpiper, 100; Ring-billed Gull, 12; Laughing Gull, 15; Franklin's Gull, 10; Forster's Tern, 1; Common Tern, 4; Caspian Tern, 1; Mourning Dove, 37; Inca Dove, 1; Great Horned Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 2; Eastern Phoebe, 3; Vermilion Flycatcher, 15; Verdin, 1; Mockingbird, 4; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 3; Water Pipit, 15; Loggerhead Shrike, 6; Myrtle Warbler, 6; Western Meadowlark, 50; Redwinged Blackbird, 1000; Common Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 17; Am. Goldfinch, 30; Savannah Sparrow, 1; Vesper

Sparrow, 20; White-crowned Sparrow, 1; Song Sparrow, 5. **Total,** 80 species; about 8306 individuals. (Seen in area count period, but not on count day: Cattle Egret, Fulvous Tree Duck, Ring-necked Duck, Canvasback, Common Gallinule, Lesser Yellowlegs, Pauraque, Yellow-bellied Sapsucker, Common Crow, Boat-tailed Grackle, Pyrrhuloxia.)—Earl L. Benham, James E. Hemphill, Huyson J. Johnson (compiler), John B. Litsey, John H. Tenery.

509. Bastrop–Buescher State Parks, Tex. (all points within a 15-mile diameter circle, center on Park Road 1 midway between Bastrop and Buescher State Parks as in previous years).—Jan. 2; 7:30 a.m. to 5:30 p.m. Overcast to clear; temp. 40° to 49°; wind N, 8-7 m.p.h.; ground wet from recent rains. Two observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 30 (3 on foot, 27 by car). ► Turkey Vulture, 32; Black Vulture, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Sparrow Hawk, 5; **Am. Woodcock, 1** (flushed 3 times); Mourning Dove, 23; Barred Owl, 2; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 8; Eastern Phoebe, 2; Blue Jay, 5; Common Crow, 27; Carolina Chickadee, 87; Tufted Titmouse, 30; House Wren, 12; Bewick's Wren, 5; Carolina Wren, 22; Mockingbird, 20; Brown Thrasher, 11; Robin, 366; Hermit Thrush, 52; Eastern Bluebird, 5; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 60; Cedar Waxwing, 152; Loggerhead Shrike, 8; **White-eyed Vireo, 1** (D.W.); Solitary Vireo, 2; Orange-crowned Warbler, 16; Myrtle Warbler, 209; Pine Warbler, 18; Eastern Meadowlark, 1; Western Meadowlark, 1; meadowlark (sp.), 15; Redwinged Blackbird, 423; Common Grackle, 30; Brown-headed Cowbird, 60; Cardinal, 157; Pine Siskin, 3; Rufous-sided Towhee, 26; Vesper Sparrow, 10; Slate-colored Junco, 48; **Oregon Junco, 1** (seen well—D.W.); Chipping Sparrow, 16; Field Sparrow, 36; Harris' Sparrow, 7; White-throated Sparrow, 226; Fox Sparrow, 8; Lincoln's Sparrow, 2; Song Sparrow, 2. **Total,** 52 species; about 2285 individuals.—Fred S. Webster, Jr. (compiler), Donald W. Woodard.

510. Bentsen State Park, Tex. (all points within a 15-mile diameter circle, center same as 1959).—Dec. 23; 6 a.m. to 7 p.m. Overcast to clear; temp. 52° to 62°; wind NNW, 4-14 m.p.h. Eleven observers in 5 parties. Total party-hours, 47 (39 on foot, 8 by car); total party-miles, 142 (24 on foot, 118 by car). ► Eared Grebe, 17; Least Grebe, 8; Pied-billed Grebe, 21; Olivaceous Cormorant, 3; Anhinga, 3; Great Blue Heron, 12; Little Blue Heron, 1; Common Egret, 2; Louisiana Heron, 2; Black-crowned Night Heron, 2; Canada Goose, 22; **Black-bellied Tree Duck, 6**; **Fulvous Tree Duck, 26** (both species of tree ducks present all Dec.); Mallard, 4; Mottled Duck, 6; Gadwall, 268; Pintail, 13; Green-winged Teal, 24; Blue-winged Teal, 46; **Cinnamon Teal, 2**; Am. Widgeon, 50; Shoveler, 230; Redhead, 6; Ring-necked Duck, 226; Canvasback, 73; Lesser Scaup, 4; Ruddy Duck, 15; Turkey Vulture, 9; Black Vulture, 31; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 16; Red-shouldered Hawk, 5; Swainson's Hawk, 1; **Rough-legged Hawk, 6** (all field marks—D.B.); Harris' Hawk, 19; Marsh Hawk, 11; Osprey, 1; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 44; Chachalaca, 24; Bobwhite, 9; Scaled Quail, 7; Sora, 2; **Purple Gallinule, 2** (J.M. party); Common Gallinule, 6; Am. Coot, 1654; Killdeer, 20; Common Snipe, 1; Spotted Sandpiper, 4; Greater Yellowlegs, 8; Lesser Yellowlegs, 4; Least Sandpiper, 40; Long-billed Dowitcher, 4; Ring-billed Gull, 1; Mourning Dove, 323; Ground Dove, 42; Inca Dove, 7; White-fronted Dove, 3; Roadrunner, 3; Barn Owl, 2; Screech Owl, 1; Great Horned Owl, 5; Ferruginous Owl, 1; **Short-eared Owl, 1**; Pauraque, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Golden-fronted Woodpecker, 38; Yellow-bellied Sapsucker, 12; Ladder-backed Woodpecker, 33; **Rose-throated Becard, 4** (resident); Tropical Kingbird, 31; **Western Kingbird, 21** (carefully—3 parties); Kiskadee Flycatcher, 37; Eastern Phoebe, 7; Say's Phoebe, 8; empidonax flycatcher (sp.), 2; Vermilion Flycatcher, 9; Beardless Flycatcher, 4; Tree Swallow, 120; Green Jay, 87; White-necked Raven, 180; Black-crested Titmouse, 45; Verdin, 17; House Wren, 39; Bewick's Wren, 3; Carolina Wren, 1; Cactus Wren, 11; Short-billed Marsh Wren, 3; Mockingbird, 67; Long-billed Thrasher, 8; Curve-billed Thrasher, 13; Robin, 7; **Wood Thrush, 1** (carefully identified—A.H., P.J.); Hermit Thrush, 2; **Swainson's Thrush, 2** (seen well—A.H., P.J.); Eastern Bluebird, 14; Blue-gray Gnatcatcher, 270; **Golden-crowned Kinglet, 4** (4 parties); Ruby-crowned Kinglet, 93; Water Pipit, 12; Cedar Waxwing, 3; Loggerhead Shrike, 18; Starling, 21; White-eyed Vireo, 6; **Yellow-throated Vireo, 3** (ideal studies—A.H., P.J.); Solitary Vireo, 3; Black-and-white Warbler, 3; Orange-crowned Warbler, 26; Nashville Warbler, 6; **Olive-backed Warbler, 3**; Myrtle Warbler, 12; Audubon's Warbler, 3; Yellow-throated Warbler, 5; Yellowthroat, 9; Wilson's Warbler, 1; House Sparrow, 567; Eastern Meadowlark, 6; Redwinged Blackbird, 143; Black-headed Oriole, 8; Lichtenstein's Oriole, 9; Brewer's Blackbird, 113; Boat-tailed Grackle, 397; Brown-headed Cowbird, 250,000; Bronzed Cowbird, 459; Cardinal, 45; Pyrrhuloxia, 18; White-collared Seedeater, 7; **Pine Siskin, 1** (with goldfinches—A.H.); Am. Goldfinch, 243; **Lesser Goldfinch, 5** (A.H.); Olive Sparrow, 13; Green-tailed Towhee, 1; Savannah Sparrow, 7; Vesper Sparrow, 9; Lark Sparrow, 5; Black-throated Sparrow, 3; Clay-colored Sparrow, 5; Field Sparrow, 2; Lincoln's Sparrow, 8; Swamp Sparrow, 2; Song Sparrow, 9. **Total,** 144 species; about 256,836 individuals.—David Blankinship, Robert Clarke, Allan Hayse, J. W. Huffman, Pauline James (compiler), Luhe McConnell, John Morony, Jr., Herbert Nordmeyer, Mae Wilson, Mr. and Mrs. Russell Wilson.

511. Big Bend National Park, Tex. (all points within a 15-mile diameter circle, center Chisos Basin Ranger Station, including trail to Window and road to Basin Junction; elevation 4000-5800 ft.; desert mountains 95%, desert foothills 5%).—Dec. 27; 8 a.m. to 5 p.m. Scattered high clouds; temp. 40° to

65°; wind SW, 3-6 m.p.h. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 20 (6 on foot, 14 by car). ► Red-tailed Hawk, 5; Swainson's Hawk, 1; Ferruginous Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Scaled Quail, 8; Mourning Dove, 20; Roadrunner, 1; White-throated Swift, 3; Red-shafted Flicker, 6; Acorn Woodpecker, 3; Ladder-backed Woodpecker, 5; Say's Phoebe, 3; Mexican Jay, 18; Black-crested Titmouse, 3; Verdin, 3; Common Bushtit, 4; Black-eared Bushtit, 1; Cactus Wren, 4; Cañon Wren, 8; Rock Wren, 6; Mockingbird, 3; Crissal Thrasher, 1; Hermit Thrush, 4; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 1; Pyrrhuloxia, 8; House Finch, 79; Pine Siskin, 1; Am. Goldfinch, 1; Rufous-sided Towhee, 7; Brown Towhee, 36; Rufous-crowned Sparrow, 31; Black-throated Sparrow, 6; Slate-colored Junco, 1; Oregon Junco, 30 (2 races); Gray-headed Junco, 9; Chipping Sparrow, 1; Clay-colored Sparrow, 8; Black-chinned Sparrow, 4; Lincoln's Sparrow, 1. **Total,** 41 species (1 additional race); about 343 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Common Raven, Blue-gray Gnatcatcher, Black-headed Grosbeak, White-crowned Sparrow.)—Gladys C. Galligar, Theodore M. Sperry (compiler).

512. Big Spring, Tex. (all points within a 15-mile diameter circle, center at point Moss Creek Lake road crosses Beals Creek; canyons with oak and juniper 50%, mesquite thickets 35%, lakes 7%, park and golf course 5%, cultivated fields 3%).—Dec. 26; 8:15 a.m. to 6:15 p.m. Clear; temp. 38° to 55°; wind E, 5-20 m.p.h. Seven observers in 3 parties. Total party-hours, 24 (7 on foot, 17 by car); total party-miles, 161 (8 on foot, 153 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Gadwall, 16; Pintail, 2; Green-winged Teal, 6; Am. Widgeon, 23; Shoveler, 31; Redhead, 17; Lesser Scaup, 21; Bufflehead, 34; Ruddy Duck, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 16; Marsh Hawk, 2; Sparrow Hawk, 4; Scaled Quail, 357; Am. Coot, 3; Killdeer, 7; Common Snipe, 5; Greater Yellowlegs, 3; Least Sandpiper, 26; dowitcher (sp.), 4; **Wilson's Phalarope, 2** (good study by 3 observers); Mourning Dove, 56; Inca Dove, 3; Roadrunner, 2; Great Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-shafted Flicker, 22; Golden-fronted Woodpecker, 6; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 16; Horned Lark, 4; White-necked Raven, 3; Black-crested Titmouse, 1; Verdin, 7; House Wren, 1; Bewick's Wren, 15; Cactus Wren, 9; Rock Wren, 8; Mockingbird, **320** (over twice previous high); Curve-billed Thrasher, 11; Sage Thrasher, **28** (18 in one area); Robin, 386; Hermit Thrush, 6; Eastern Bluebird, 3; Western Bluebird, 20; Mountain Bluebird, 21; Townsend's Solitaire, 3; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 29; Water Pipit, 1; Cedar Waxwing, 10; Loggerhead Shrike, 14; Starling, 1; Myrtle Warbler, 8; Audubon's Warbler, 1; House Sparrow, 312; Western Meadowlark, 212; Brewer's Blackbird, 3; Brown-headed Cowbird, 312; Cardinal, 64; Pyrrhuloxia, 7; House Finch, 56; Am. Goldfinch, 5; Lesser Goldfinch, 49; Rufous-sided Towhee, 29; Brown Towhee, 22; Lark Bunting, 42; Savannah Sparrow, 2; Black-throated Sparrow, 12; Slate-colored Junco, 1; Oregon Junco, 170; Field Sparrow, 4; White-crowned Sparrow, 134; Lincoln's Sparrow, 2. **Total,** 77 species; about 3043 individuals.—John Adams, Ola Dublin Haynes, Francis Kingon, June Kingon, Anne LeSassier, Frances Williams (compiler), Harold Williams.

513. Carrizo Springs, Tex. (all points within a 15-mile diameter circle, center on dam of Lake Espantosa; wooded riverbottoms 30%, small ponds 30%, mesquite and blackbrush pastures 40%).—Dec. 22; 8 a.m. to 4 p.m. Cloudy; temp. 32° to 40°; wind NE, 10-15 m.p.h.; all streams and ponds full. Three observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 28 (3 on foot, 25 by car). ► Pied-billed Grebe, 4; Great Blue Heron, 11; Canada Goose, 25; Gadwall, 25; Pintail, 42; Green-winged Teal, 11; Blue-winged Teal, 3; Cinnamon Teal, 4; Am. Widgeon, 35; Shoveler, 12; Canvasback, 10; Bufflehead, 3; Ruddy Duck, 16; Turkey Vulture, 18; Black Vulture, 10; Red-tailed Hawk, 24; Harris' Hawk, 8; Marsh Hawk, 3; Sparrow Hawk, 40; Sandhill Crane, 2500; Am. Coot, 14; Killdeer, 15; Common Snipe, 7; Greater Yellowlegs, 2; Least Sandpiper, 8; **Black-necked Stilt, 1** (seen well by all); Mourning Dove, 600; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-shafted Flicker, 3; Golden-fronted Woodpecker, 16; Ladder-backed Woodpecker, 12; Eastern Phoebe, 1; Vermilion Flycatcher, 1; Black-crested Titmouse, 10; Verdin, 6; House Wren, 1; Bewick's Wren, 1; Carolina Wren, 4; Mockingbird, 30; Robin, 2; Hermit Thrush, 2; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 10; Sprague's Pipit, 2; Loggerhead Shrike, 15; Starling, 300; Orange-crowned Warbler, 2; Myrtle Warbler, 2; House Sparrow, 60; Western Meadowlark, 10; Brewer's Blackbird, 400; Boat-tailed Grackle, 16; Brown-headed Cowbird, 50; Cardinal, 10; House Finch, 10; Am. Goldfinch, 15; Rufous-sided Towhee, 3; Lark Bunting, **3000**; Savannah Sparrow, 10; Vesper Sparrow, 75; Lark Sparrow, 20; Field Sparrow, 10; White-crowned Sparrow, 15; White-throated Sparrow, 1; Lincoln's Sparrow, 2; Song Sparrow, 12. **Total,** 68 species; about 7595 individuals.—Joe Doyle, John Dryjowicz, Kent Rylander (compiler).

514. Dallas, Tex. (all points within a 15-mile diameter circle, center S.M.U. as last year; lakeshore, cattail marsh, creek and river bottoms 50%, parks and residential 20%, deciduous farm woodlots and pasture 30%).—Dec. 31; 6:45 a.m. to 6 p.m. Overcast, light rain to 11 a.m.; temp. 42° to 40°; wind NW, 10-16 m.p.h.; lakes and streams overflowing. Twenty-seven observers in 9 parties. Total party-hours, 70 (31 on foot, 39 by car); total party-miles, 471 (23 on foot, 448 by car). ► Pied-billed Grebe, 38; Great Blue Heron, 1; Black-crowned Night Heron, 13; Mallard, 106; Black Duck, 5; Gadwall, 35; Pintail, 45; Green-winged Teal, 136; Blue-winged Teal, 1; Am. Widgeon, 69; Shoveler, 48; Ring-necked Duck, 142; Can-

vasback, 15; Lesser Scaup, 18; Bufflehead, 15; Ruddy Duck, 59; Hooded Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 40; **Harlan's Hawk, 6** (4 parties); Red-shouldered Hawk, 3; Rough-legged Hawk, 6; Ferruginous Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 60; Bobwhite, 39; Common Gallinule, 3; Am. Coot, 358; Killdeer, 44; Common Snipe, 22; Least Sandpiper, 11; Semipalmated Sandpiper, 2; Western Sandpiper, 5; Herring Gull, 3; Ring-billed Gull, 141; Mourning Dove, 57; Roadrunner, 6; Barred Owl, 1; **Short-eared Owl, 1** (present 10 days); Belted Kingfisher, 2; Yellow-shafted Flicker, 77; Red-shafted Flicker, 1; Red-bellied Woodpecker, 92; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 8; Downy Woodpecker, 26; Ladder-backed Woodpecker, 2; Horned Lark, 114; Blue Jay, 218; Common Crow, 424; Carolina Chickadee, 57; Tufted Titmouse, 50; Brown Creeper, 13; House Wren, 2; Winter Wren, 4; Bewick's Wren, 1; Carolina Wren, 11; Mockingbird, 124; Brown Thrasher, 31; Robin, 8; Eastern Bluebird, 8; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 5; Cedar Waxwing, 67; Loggerhead Shrike, 35; Starling, **925,000**; Orange-crowned Warbler, 4; Pine Warbler, 1; Yellowthroat, 1; House Sparrow, 1318; Eastern Meadowlark, 264; Western Meadowlark, 16; Redwinged Blackbird, 3,500,000; Brewer's Blackbird, 4; Boat-tailed Grackle, 457; Common Grackle, 114; Brown-headed Cowbird, 11,584; Cardinal, 196; Pine Siskin, 1; Am. Goldfinch, 74; Rufous-sided Towhee, 9; Savannah Sparrow, 20; Baird's Sparrow, 4; Vesper Sparrow, 19; Lark Sparrow, 54; Slate-colored Junco, 319; Oregon Junco, 2; Field Sparrow, 61; Harris' Sparrow, 170; White-crowned Sparrow, 4; White-throated Sparrow, 339; Fox Sparrow, 49; Lincoln's Sparrow, 20; Swamp Sparrow, 1; Song Sparrow, 39; **Smith's Longspur, 1** (carefully identified). **Total,** 98 species; about 4,443,106 individuals. (Seen in area count period, but not on count day: Eared Grebe, Turkey Vulture, Screech Owl, Great Horned Owl, Hermit Thrush, Myrtle Warbler.) —Charlotte Clark, Vicki Corley, Joel Cracroft, Florence Delaphane, Dorothy England, Rosabel Harris, Ada Henderson, Edward C. Fritz, Leonard Huffhines, Norma Huffhines, Lyndon Jackson, Carrol Kiblinger (compiler), Polly McLeroy, Polly Miller, Hazel Nichols, Geth Osborn, Georgia Prins, Mariana Roach, Margaret Roddy, Robert Rodgers, Floyd Shirey, Norma Stillwell, Eberhard Stodder, Frank Turner, Eula Whitehouse, Edith Winford (Dallas Aud. Society).

515. Davis Mountains, Tex. (all points within a 15-mile diameter circle, center 7½ miles WNW of junction of Frazier Canyon and Limpia Canyon; elevation 4550-6791; hillsides with juniper-piñon-oak 30%, mesquite-yucca-acacia thickets 30%, streamsides with willow and cottonwoods 25%, pine-oak forest 15%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy until 10 a.m., then clear; temp. 28° to 40°; wind NNE, 5-35 m.p.h.; patches of snow on north slopes, ground frozen a.m. Five observers in 2 parties. Total party-hours, 17 (9 on foot, 8 by car); total party-miles, 88 (9 on foot, 79 by car). ► Gadwall, 29; Green-winged Teal, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 5; Scaled Quail, 16; Killdeer, 7; Common Snipe, 1; Mourning Dove, 146; Yellow-shafted Flicker, 1; Red-shafted Flicker, 12; Acorn Woodpecker, 11; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 8; Black Phoebe, 14; Say's Phoebe, 13; Horned Lark, 8; **Steller's Jay, 8** (unmistakable); Scrub Jay, 34; **Piñon Jay, 115** (both blue and gray birds); Black-crested Titmouse, 40; Verdin, 4; Common Bushtit, 20; Brown Creeper, 2; Bewick's Wren, 6; Cañon Wren, **25**; Rock Wren, **44**; Mockingbird, 13; Curve-billed Thrasher, 6; Hermit Thrush, 2; Western Bluebird, 23; Mountain Bluebird, 1; Ruby-crowned Kinglet, 28; Water Pipit, 35; **Phainopepla, 1** (good study); Loggerhead Shrike, 12; Myrtle Warbler, 4; Audubon's Warbler, 7; House Sparrow, 21; Western Meadowlark, 1; Redwinged Blackbird, 25; Brewer's Blackbird, 93; Brown-headed Cowbird, 300; Cardinal, 1; Pyrrhuloxia, 67; House Finch, 24; Green-tailed Towhee, 14; Rufous-sided Towhee, 45; Brown Towhee, 101; Lark Bunting, 24; Savannah Sparrow, 1; Baird's Sparrow, 1; Vesper Sparrow, 140; **Lark Sparrow, 1** (all field marks); Rufous-crowned Sparrow, 4; **Cassin's Sparrow, 2** (3 experienced observers); Black-throated Sparrow, 25; Oregon Junco, 156; Gray-headed Junco, 18; Chipping Sparrow, 257; **Clay-colored Sparrow, 31** (all mature); Brewer's Sparrow, 18; **Field Sparrow, 4**; **Black-chinned Sparrow, 6** (all adult); White-crowned Sparrow, 203; **Fox Sparrow, 2** (feeding with towhees); Lincoln's Sparrow, 10; Song Sparrow, 1. **Total,** 70 species; about 2320 individuals.—Walter Ammon, Anne LeSassier, Bill LeSassier, Frances Williams (compiler), Harold Williams.

516. Del Rio, Tex. (all points within a 15-mile diameter circle, center 5 miles SE of U. S. 90 bridge over Devil's River; rocky canyons with chaparral 40%, brushy streamsides 27%, lake and river 17%, park 10%, roadside thickets 4%, marsh 2%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 39° to 56°; wind E, 0-12 m.p.h.; ground wet, pools of water in all canyons. Eight observers in 3-4 parties. Total party-hours, 29 (17 on foot, 12 by car); total party-miles, 128 (16 on foot, 112 by car). ► Eared Grebe, 4; Pied-billed Grebe, 2; Double-crested Cormorant, 1; Great Blue Heron, 2; Green Heron, 4; Mallard, 5; Gadwall, 20; Pintail, 10; Green-winged Teal, 176; Blue-winged Teal, 1; Am. Widgeon, 2; Redhead, 1; Lesser Scaup, 12; Common Goldeneye, 1; Bufflehead, 28; Turkey Vulture, 3; Black Vulture, 46; Red-tailed Hawk, 16; Harris' Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 11; Bobwhite, 9; Scaled Quail, 40; Am. Coot, 26; Killdeer, 77; Common Snipe, 8; Spotted Sandpiper, 4; Greater Yellowlegs, 7; Least Sandpiper, 14; Western Sandpiper, 4; Mourning Dove, 286; Inca Dove, 4; Roadrunner, 2; Great Horned Owl, 1; Belted Kingfisher, 9; Green Kingfisher, 6; Yellow-shafted Flicker, 2; Red-shafted Flicker, 13; Golden-fronted Woodpecker, 30; Ladder-backed Woodpecker, 6; Tropical Kingbird, 3 (regular despite books); Eastern Phoebe, 1; Black Phoebe, 27; Say's Phoebe, 6; Vermilion Flycatcher, 10; Rough-winged Swallow, 2; White-necked Raven, 4; Black-crested Titmouse,

12; Verdin, 19; House Wren, 6; Winter Wren, 2; Bewick's Wren, 20; Carolina Wren, 1; Cactus Wren, 7; Long-billed Marsh Wren, 8; Short-billed Marsh Wren, 2; Cañon Wren, 14; Rock Wren, 13; Mockingbird, 78; Curve-billed Thrasher, 1; Robin, 3; Hermit Thrush, 3; Blue-gray Gnatcatcher, 11; Ruby-crowned Kinglet, 51; Water Pipit, 17; Loggerhead Shrike, 21; Starling, 9; Orange-crowned Warbler, 16; Myrtle Warbler, 75; Audubon's Warbler, 32; Yellowthroat, 15; **Wilson's Warbler, 2** (15—25 ft.); House Sparrow, 650; meadowlark (sp.), 39; Red-winged Blackbird, 1432; Brewer's Blackbird, 150; Boat-tailed Grackle, 340; Brown-headed Cowbird, 925; Cardinal, 53; Pyrrhuloxia, 33; House Finch, 120; Lesser Goldfinch, 32; Green-tailed Towhee, 4; Rufous-sided Towhee, 10; Brown Towhee, 23; Lark Bunting, 6; Savannah Sparrow, 18; Vesper Sparrow, 6; Rufous-crowned Sparrow, 3; Black-throated Sparrow, **145**; Chipping Sparrow, 1; Clay-colored Sparrow, 3; Field Sparrow, 10; White-crowned Sparrow, 125; Lincoln's Sparrow, 16; Swamp Sparrow, 3; Song Sparrow, 16. **Total,** 97 species; about 5554 individuals. (Seen in area count period, but not on count day: Cedar Waxwing.)—Walter Ammon, Beth Blount, Ed Dearing, Charles Gaines, LaVera Gaines, Anne LeSassier, Frances Williams (compiler), Harold Williams.

517. Denton, Tex. (all points within a 15-mile diameter circle, center same as last year).—Dec. 29; 7:30 a.m. to 5 p.m. Overcast; temp. 35° to 48°; wind N, 5-15 m.p.h. Three observers in 3 parties. Total party-hours, 21 (14 on foot, 7 by car); total party-miles, 234 (14 on foot, 220 by car). ► Great Blue Heron, 58; Gadwall, 15; Am. Widgeon, 25; Shoveler, 1; Turkey Vulture, 12; Black Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 29; Bobwhite, 80; **Sandhill Crane, 7** (100 yds.); Am. Coot, 2; Killdeer, 32; Common Snipe, 3; Least Sandpiper, 50; Ring-billed Gull, 17; **Franklin's Gull, 2** (good study); Bonaparte's Gull, 3; Mourning Dove, 13; Belted Kingfisher, 1; Yellow-shafted Flicker, 33; Red-shafted Flicker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Eastern Phoebe, 1; Horned Lark, 120; Blue Jay, 53; Common Crow, 96; Carolina Chickadee, 17; Tufted Titmouse, 21; Brown Creeper, 1; House Wren, 2; Bewick's Wren, 1; Carolina Wren, 4; Mockingbird, 11; Brown Thrasher, 6; Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 42; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 6; Water Pipit, 1; Cedar Waxwing, 25; Loggerhead Shrike, 31; Starling, 160; **Orange-crowned Warbler, 1** (K.R.); Myrtle Warbler, 1; Yellowthroat, 2; House Sparrow, 350; Eastern Meadowlark, 15; meadowlark (sp.), 300; Redwinged Blackbird, 550; Common Grackle, 2; Brown-headed Cowbird, 4; Cardinal, 60; Purple Finch, 1; Am. Goldfinch, 15; Rufous-sided Towhee, 6; Slate-colored Junco, 120; Field Sparrow, 65; Harris' Sparrow, 350; White-crowned Sparrow, 2; White-throated Sparrow, 28; Lincoln's Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 49. **Total,** 70 species; about 2673 individuals.—Viola Hamilton, Kent Rylander, Rodney Rylander (compiler).

518. Eagle Pass, Tex. (all points within a 15-mile diameter circle, center Keisling home as in past 9 years).—Dec. 31; 8 a.m. to 6 p.m. Heavy fog, clearing mid-morn; temp. 36° to 49°; wind N, strong after 10:30 a.m. Five observers in 2 parties. Total party-hours, 20 (4 on foot, 16 by car); total party-miles, 30 (4 on foot, 26 by car). ► Eared Grebe, 10; Pied-billed Grebe, 4; Olivaceous Cormorant, 28; Great Blue Heron, 4; Gadwall, 23; Pintail, 31; Green-winged Teal, 63; Blue-winged Teal, 25; Cinnamon Teal, 6; Am. Widgeon, 1; Shoveler, 22; Ring-necked Duck, 23; Lesser Scaup, 1; Bufflehead, 34; Ruddy Duck, 30; Turkey Vulture, 4; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 4; Harris' Hawk, 9; Marsh Hawk, 14; Pigeon Hawk, 1; Sparrow Hawk, 15; Bobwhite, 4; Scaled Quail, 19; Sandhill Crane, 12; Common Gallinule, 4; Am. Coot, 80; Killdeer, 15; Common Snipe, 3; **Solitary Sandpiper, 1**; Greater Yellowlegs, 1; Least Sandpiper, 35; Long-billed Dowitcher, 2; Mourning Dove, 787; Roadrunner, 1; Great Horned Owl, 4; Belted Kingfisher, 2; Golden-fronted Woodpecker, 11; Ladder-backed Woodpecker, 9; Western Kingbird, 3; Eastern Phoebe, 3; Say's Phoebe, 18; Vermilion Flycatcher, 4; **Tree Swallow, 26** (all field marks); White-necked Raven, 3; Verdin, 7; Bewick's Wren, 7; Cactus Wren, 10; Mockingbird, 5; Long-billed Thrasher, 1; Curve-billed Thrasher, 1; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 8; Water Pipit, 280; Loggerhead Shrike, 10; Starling, 56; Myrtle Warbler, 2; Yellowthroat, 2; House Sparrow, 3; Eastern Meadowlark, 623; Red-winged Blackbird, 5000; Brewer's Blackbird, 3000; Boat-tailed Grackle, 3000; Brown-headed Cowbird, 2000; Cardinal, 14; Pyrrhuloxia, 8; Am. Goldfinch, 2; Olive Sparrow, 3; Green-tailed Towhee, 1; Lark Bunting, 323; Savannah Sparrow, 67; Vesper Sparrow, 72; Lark Sparrow, 71; Black-throated Sparrow, 16; Clay-colored Sparrow, 67; White-crowned Sparrow, 60; Lincoln's Sparrow, 5; Song Sparrow, 5. **Total,** 79 species; about 16,133 individuals. (Seen in area count period, but not on count day: Common Egret, White-fronted Goose, Swainson's Hawk, Groove-billed Ani, Burrowing Owl.)—Mrs. L. D. Booker, Mrs. Harvey Hall, Mr. and Mrs. Jack Keisling, Dorothy O. Worrell (compiler).

519. Eastern Travis County, Tex. (all points within a 15-mile diameter circle, center 7 miles ESE of State Capitol Building as in previous 2 years).—Dec. 23; 6:30 a.m. to 5:30 p.m. Overcast; temp. 40° to 50°; wind SSE, 0-4 m.p.h.; water in low places from recent rains. Nine observers in 5 parties. Total party-hours, 48 (18 on foot, 30 by car); total party-miles, 227 (16 on foot, 211 by car). ► Common Loon, 1; Eared Grebe, 131; Pied-billed Grebe, 6; Great Blue Heron, 9; Gadwall, 103; Pintail, 37; Green-winged Teal, 135; Shoveler, 37; Canvasback, 14; Lesser Scaup, 458; Common Goldeneye, 4 (no record until last year); Bufflehead, 16; Ruddy Duck, 727; Turkey Vulture, 62; Black Vulture, 5; Cooper's

Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 6; Harris' Hawk, 1; Marsh Hawk, 12; Sparrow Hawk, 67; Bobwhite, 1; Am. Coot, 20; Killdeer, 111; Common Snipe, 13; Spotted Sandpiper, 1; Greater Yellowlegs, 3; Least Sandpiper, 41; Ring-billed Gull, 275; **Bonaparte's Gull, 1** (seen well—F.O., J.R.); Mourning Dove, 203; Inca Dove, 1; Roadrunner, 1; Great Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 12; flicker (sp.), 3; Red-bellied Woodpecker, 44; Golden-fronted Woodpecker, 3; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 21; Ladder-backed Woodpecker, 17; Eastern Phoebe, 16; Vermilion Flycatcher, 1; Horned Lark, 130; Blue Jay, 80; Common Crow, 83; Carolina Chickadee, 79; Tufted Titmouse, 7; Black-crested Titmouse, 18; Verdin, 3; Brown Creeper, 9; House Wren, 55; Winter Wren, 3; Bewick's Wren, 53; Carolina Wren, 10; Mockingbird, 127; Robin, 275; Hermit Thrush, 4; Eastern Bluebird, 24; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 83; Water Pipit, 69; Loggerhead Shrike, 35; Starling, 536; Solitary Vireo, 4; Orange-crowned Warbler, 25; Myrtle Warbler, 274; Audubon's Warbler, 1 (carefully identified); Yellowthroat, 3; House Sparrow, 911; Eastern Meadowlark, 21; Western Meadowlark, 280; meadowlark (sp.), 791; Redwinged Blackbird, 187; Rusty Blackbird, 65 (same place as last year); Boat-tailed Grackle, 2761; Brown-headed Cowbird, 106; Cardinal, 162; House Finch, 12; Am. Goldfinch, 48; Rufous-sided Towhee, 2; Savannah Sparrow, 72; Grasshopper Sparrow, 1; Vesper Sparrow, 163; Lark Sparrow, 71; Slate-colored Junco, 29; Field Sparrow, 184; Harris' Sparrow, 240; White-crowned Sparrow, 464; White-throated Sparrow, 53; Lincoln's Sparrow, 112; Song Sparrow, 19; **McCown's Longspur, 15** (all field marks—F.O., J.R.); **Lapland Longspur, 2** (carefully identified—F.O., J.R.). **Total,** 96 species; about 11,431 individuals.—Richard O. Bentley, Mr. and Mrs. William J. Lawson, Frank Oatman, Jr., John Louis Rowlett, Rose Ann Rowlett, Shirley Sherman, Marie Webster, Fred S. Webster, Jr. (compiler).

520. El Paso, Tex. (all points within a 15-mile diameter circle, center on Scenic Drive Lookout on Mount Franklin, including Boy Scout Camp, Randel's Pool, Rio Grande River levee and valley, Sunland Race Track, McKelligon's Canyon, Ascarate Park, Memorial Park; thickets of mesquite, wild olive, cottonwood 10%, bosques and river levees 15%, farms 25%, sand hills 15%, lakes 14%, parks 4%, canyon 17%).—Dec. 21; 7 a.m. to 6 p.m. Clear; temp. 21° to 50°; wind NE, 3 m.p.h. Eleven observers in 6 parties. Total party-hours, 38 (13 on foot, 25 by car); total party-miles, 188 (14 on foot, 174 by car). ► **Common Loon, 1** (daily on large man-made lake); **Green Heron, 2**; Mallard, 29; Gadwall, 72; Green-winged Teal, 36; Am. Widgeon, 212; Shoveler, 82; Canvasback, 22; Lesser Scaup, 8; Ruddy Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 14; Sparrow Hawk, 35; Scaled Quail, 27; Gambel's Quail, 46; Common Gallinule, 2; Am. Coot, 109; Killdeer, 48; Common Snipe, 6; Spotted Sandpiper, 2; Least Sandpiper, 108; Mourning Dove, 42; Inca Dove, 7; Roadrunner, 9; Belted Kingfisher, 1; Red-shafted Flicker, 37; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 3; Black Phoebe, 2; Say's Phoebe, 6; **Steller's Jay, 30** (all fall); **Scrub Jay, 8** (invasion early fall); Mountain Chickadee, 2; Verdin, 5; White-breasted Nuthatch, 10; **Red-breasted Nuthatch, 9** (definite flight); House Wren, 1; Bewick's Wren, 1; Cactus Wren, 8; Long-billed Marsh Wren, 1; Rock Wren, 7; Mockingbird, 6; Crissal Thrasher, 6; Robin, 6; Hermit Thrush, 1; Ruby-crowned Kinglet, 7; Water Pipit, 51; Cedar Waxwing, 62; Phainopepla, 1; Loggerhead Shrike, 18; Audubon's Warbler, 111; House Sparrow, 350; Western Meadowlark, 24; Yellow-headed Blackbird, 14; Redwinged Blackbird, 117; Brewer's Blackbird, 32; Boat-tailed Grackle, 55; Brown-headed Cowbird, 18; Pyrrhuloxia, 2; **Cassin's Finch, 1** (present all fall); House Finch, 122; Pine Siskin, 4; Am. Goldfinch, 6; Lesser Goldfinch, 17; **Red Crossbill, 24**; Green-tailed Towhee, 4; Rufous-sided Towhee, 31; Vesper Sparrow, 1; Rufous-crowned Sparrow, 3; Black-throated Sparrow, 24; Sage Sparrow, 4; Oregon Junco, 125; Gray-headed Junco, 62; Chipping Sparrow, 2; Black-chinned Sparrow, 1; White-crowned Sparrow, 283; Song Sparrow, 22. **Total,** 80 species; about 2682 individuals. (Seen in area count period, but not on count day: Pied-billed Grebe, Pintail, Cinnamon Teal, Redhead, Ring-necked Duck, Bufflehead, Common Merganser, Ring-billed Gull, Burrowing Owl, Cañon Wren, Curve-billed Thrasher, Western Bluebird, Starling, Solitary Vireo, **Cardinal**.)—LuVenia Arnold, Roy Fisk (compiler), D. T. Johnson, Mrs. D. T. Johnson, Mary Bell Keefer, Mrs. Caroline McClintock, Mrs. G. W. O'Neal, Bob Row, Jack Stewart, Lilla Thomas, Mrs. Rita Rhodes Ward.

521. Ft. Worth, Tex. (all points within a 15-mile diameter circle, center at Federal Fish Station, including Lake Worth area, Rockwood, Trinity, and Forest Parks).—Dec. 31; 8 a.m. to 5 p.m. Drizzling a.m., overcast p.m.; temp. 39° to 43°; wind N to NW, 18-20 m.p.h. Twenty-two observers in 6 parties. Total party-hours, 44 (21 on foot, 23 by car); total party-miles, 266 (19 on foot, 247 by car). ► Pied-billed Grebe, 9; Great Blue Heron, 21; Mallard, 7; Green-winged Teal, 3; Am. Widgeon, 44; Shoveler, 6; Ring-necked Duck, 1; Canvasback, 2; Lesser Scaup, 110; Turkey Vulture, 26; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Sparrow Hawk, 29; Bobwhite, 16; Am. Coot, 147; Killdeer, 101; Common Snipe, 41; Least Sandpiper, 69; Herring Gull, 25; Ring-billed Gull, 303; Mourning Dove, 16; Great Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 70; Red-shafted Flicker, 1; Red-bellied Woodpecker, 40; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 23; Ladder-backed Woodpecker, 2; Horned Lark, 115; Blue Jay, 113; Common Crow, 110; Carolina Chickadee, 83; Tufted Titmouse, 72; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 11; Winter Wren, 2; Bewick's Wren, 5; Carolina Wren, 21; Long-billed Marsh Wren, 1; Mockingbird, 68; Brown Thrasher, 11;

Robin, 22; Eastern Bluebird, 22; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 23; Water Pipit, 2; Cedar Waxwing, 19; Loggerhead Shrike, 17; Starling, 3226; Orange-crowned Warbler, 3; Myrtle Warbler, 36; Yellowthroat, 1; House Sparrow, 1036; Eastern Meadowlark, 260; Redwinged Blackbird, 3389; Rusty Blackbird, 31; Common Grackle, 13; Brown-headed Cowbird, 58; Cardinal, 186; Am. Goldfinch, 135; Rufous-sided Towhee, 11; Savannah Sparrow, 1; Vesper Sparrow, 4; Slate-colored Junco, 204; Oregon Junco, 3; Field Sparrow, 98; Harris' Sparrow, 190; White-crowned Sparrow, 1; White-throated Sparrow, 94; Fox Sparrow, 11; Lincoln's Sparrow, 6; Song Sparrow, 23. **Total,** 77 species; about 10,882 individuals.—Harold Allen, Mrs. Robert H. Bowman, Mr. and Mrs. John E. Casstevens, Lloyd Cowley, C. Crabtree, Mr. and Mrs. Tim H. Dunn, John Graves, Mrs. H. H. Halsell, Mr. and Mrs. Robert E. Hardwicke, Mr. and Mrs. C. L. Morgan, Sissy Oliver, Mrs. G. W. Parker, Warren M. Pulich, Jr. (compiler), Bill Richerson, Anita Sievers, Mrs. Wade Smith, Mr. and Mrs. John E. Wilson (Fort Worth Audubon Society).

522. Freeport, Tex. (all points within a 15-mile diameter circle, center where 29th parallel crosses State Highway 288; deciduous woods 20%, salt marsh and coastal prairie 30%, farmland and scrub 25%, urban 5%, open gulf 5%, fresh water 15%).—Dec. 26; 5:30 a.m. to 6:25 p.m. Fog till 7:30 a.m., clear afternoon; temp. 52° to 65°; wind NW, 5 m.p.h. Nineteen observers in 7 parties. Total party-hours, 77 (38 on foot, 39 by car); total party-miles, 487 (47 on foot, 440 by car). ► Common Loon, 3; Eared Grebe, 49; Pied-billed Grebe, 162; White Pelican, 111; Brown Pelican, 5; Double-crested Cormorant, 38; Olivaceous Cormorant, 32; Anhinga, 45; Great Blue Heron, 46; **Green Heron, 2** (2 parties); Little Blue Heron, 29; Cattle Egret, 3 (3 parties); Reddish Egret, 4; Common Egret, 245; Snowy Egret, 32; Louisiana Heron, 24; Black-crowned Night Heron, 4; Yellow-crowned Night Heron, 2; Am. Bittern, 13; Roseate Spoonbill, 6; Canada Goose, 230; White-fronted Goose, 1; Snow Goose, 3662; Blue Goose, 352; goose (sp.), 3000; Mallard, 3; Mottled Duck, 2; Gadwall, 5; Pintail, 102; Green-winged Teal, 163; Blue-winged Teal, 81; **Cinnamon Teal, 1** (excellent view—V.E.); Am. Widgeon, 89; Shoveler, 73; Wood Duck, 2; Redhead, 17; Ring-necked Duck, 2913; Canvasback, 2558; Lesser Scaup, 99; Bufflehead, 2; Ruddy Duck, 377; Red-breasted Merganser, 3; duck (sp.), 30; Turkey Vulture, 37; Black Vulture, 46; Red-tailed Hawk, 71; Red-shouldered Hawk, 47; Bald Eagle, 1; Marsh Hawk, 70; Peregrine Falcon, 1; Sparrow Hawk, 60; Bobwhite, 1; King Rail, 2; Clapper Rail, 5; Virginia Rail, 1; Common Gallinule, 27; Am. Coot, **25,600**; Piping Plover, 2; Snowy Plover, 2; Killdeer, 200; Black-bellied Plover, 6; Long-billed Curlew, 57; Spotted Sandpiper, 3; **Solitary Sandpiper, 1** (same locale as last year); Willet, 21; Greater Yellowlegs, 22; Lesser Yellowlegs, 21; Least Sandpiper, 55; Dunlin, 5; Short-billed Dowitcher, 80; dowitcher (sp.), 31; Semipalmated Sandpiper, 15; Western Sandpiper, 25; Sanderling, 56; Am. Avocet, 30; Herring Gull, 114; Ring-billed Gull, 662; Laughing Gull, 207; Bonaparte's Gull, 18; Gull-billed Tern, 2; Forster's Tern, 33; Common Tern, 1; Royal Tern, 3; Caspian Tern, 68; Black Skimmer, 1; Mourning Dove, 197; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 15; Short-eared Owl, 2; **hummingbird (sp.), 1**; Belted Kingfisher, 88; Yellow-shafted Flicker, 21; Pileated Woodpecker, 17; Red-bellied Woodpecker, 42; Yellow-bellied Sapsucker, 13; Downy Woodpecker, 13; **Western Kingbird, 1** (seen well—C.S.); Eastern Phoebe, 61; Vermilion Flycatcher, 7; Horned Lark, 42; Rough-winged Swallow, 5; Blue Jay, 13; Common Crow, 177; Carolina Chickadee, 360; Tufted Titmouse, 266; Brown Creeper, 1; House Wren, 28; Winter Wren, 2; **Bewick's Wren, 1**; Carolina Wren, 227; Long-billed Marsh Wren, 11; Mockingbird, 47; Catbird, 2; Brown Thrasher, 68; Robin, 34; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 204; Ruby-crowned Kinglet, 408; Water Pipit, 193; Sprague's Pipit, 8; Loggerhead Shrike, 69; Starling, 812; White-eyed Vireo, 3; Solitary Vireo, 8; Orange-crowned Warbler, 67; Myrtle Warbler, 51; **Yellow-throated Warbler, 1** (carefully identified—J.S., N.S.); Pine Warbler, 5; Palm Warbler, 3; Yellowthroat, 64; Wilson's Warbler, 3; House Sparrow, 233; Eastern Meadowlark, 224; Redwinged Blackbird, 13,250; Brewer's Blackbird, 30; Boat-tailed Grackle, 834; Common Grackle, 99; Brown-headed Cowbird, 712; Cardinal, 553; **Indigo Bunting, 1** (seen well—C.S., L.S.); **Painted Bunting, 1** (carefully identified—J.S., N.S.); Am. Goldfinch, 204; Savannah Sparrow, 235; Sharp-tailed Sparrow, 5; Seaside Sparrow, 6; Vesper Sparrow, 12; Field Sparrow, 2; White-throated Sparrow, 221; **Fox Sparrow, 1**; Lincoln's Sparrow, 70; Swamp Sparrow, 13; Song Sparrow, 1; passerines (sp.), 9700+. **Total,** 150 species; about 72,401 individuals.—Carl H. Aiken, James Ambrose, Paul Corneil, Dudley Deaver, Bob Deshayes, Mabel Deshayes, Victor L. Emanuel (compiler), Trevor B. Feltner, Ronald Fowler, Clinton Snyder, Drew Snyder, Linda Snyder, Leota Stilwell, Jerry Strickling, Nancy Strickling, Katrina Thompson, Stephen G. Williams.

523. Friona, Tex. (all points within a 4-mile diameter circle, center 12 miles SW of Friona; bare ground 35%, pasture 35%, stubbles 29%, water 1%).—Dec. 21; 8 a.m. to 5 p.m. High thin overcast; temp. 22° to 40°; wind SE, 0-5 m.p.h. Two observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 65 (4 on foot, 61 by car). ► Mallard, 10; Blue-winged Teal, 2; Rough-legged Hawk, 1; Marsh Hawk, 14; **Pigeon Hawk, 2** (close range); Scaled Quail, 15; Mourning Dove, 7; Horned Lark, 220; Starling, 72; House Sparrow, 192; Western Meadowlark, 178; Redwinged Blackbird, 41; Savannah Sparrow, 41; **Le Conte's Sparrow, 1** (carefully studied at 10 yds.); Vesper Sparrow, 5; Slate-colored Junco, 1; Oregon Junco, 46; White-crowned Sparrow, 80; McCown's Longspur, 509; Chestnut-collared Longspur, 69. **Total,** 20 species; about 1506 individuals. (Seen in area count period, but not on count day: Ferruginous Hawk.)—Carroll Littlefield (compiler), Linda Lesly.

524. Houston, Tex. (all points within a 15-mile diameter circle, center ¾ mile west of town of Cedar Bayou on Bob Smith Road, to include San Jacinto State Park, Baytown and La Porte; open water 20%, wooded and brushy area 40%, open prairie 40%).—Dec. 31; 5:15 a.m. to 6:30 p.m. Overcast, some showers; temp. 37° to 52°; wind N to NW, 5-35 m.p.h. Forty-nine observers in 12 parties. Total party-hours, 117 (69 on foot, 44 by car, 4 by boat); total party-miles, 698 (66 on foot, 608 by car, 24 by boat). ► Eared Grebe, 1; Pied-billed Grebe, 18; White Pelican, 1406; Double-crested Cormorant, 11; Anhinga, 1; Great Blue Heron, 145; Little Blue Heron, 21; Reddish Egret, 1; Common Egret, 76; Snowy Egret, 238; Louisiana Heron, 95; Black-crowned Night Heron, **438**; Yellow-crowned Night Heron, 19; White-fronted Goose, 33; Snow Goose, 4085; Blue Goose, 1937; goose (sp.), 160; Mallard, 76; Mottled Duck, 2; Gadwall, 107; Pintail, 1470; Green-winged Teal, 54; Blue-winged Teal, 1; Am. Widgeon, 8; Shoveler, 157; Wood Duck, 2; Canvasback, 2021; Lesser Scaup, 706; Common Goldeneye, **35**; Bufflehead, 2; Ruddy Duck, 54; Red-breasted Merganser, 1; duck (sp.), 645; Turkey Vulture, 37; Black Vulture, 61; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, **151**; Red-shouldered Hawk, 38; **Broad-winged Hawk, 1**; Marsh Hawk, 104; Caracara, 1; Sparrow Hawk, 140; Bobwhite, 66; Clapper Rail, 6; Am. Coot, 3025; Semipalmated Plover, 22; Killdeer, 718; Black-bellied Plover, 51; Ruddy Turnstone, 9; Am. Woodcock, 3; Common Snipe, 36; Spotted Sandpiper, 4; Willet, 36; Greater Yellowlegs, 5; Least Sandpiper, 1; Dunlin, 272; dowitcher (sp.), 135; Semipalmated Sandpiper, 227; Western Sandpiper, 817; Sanderling, 4; Am. Avocet, 201; small sandpipers (spp.), 375; Herring Gull, 51; Ring-billed Gull, 3766; Laughing Gull, 1323; Bonaparte's Gull, **45**; gull (sp.), 22; Gull-billed Tern, 9; Forster's Tern, **903**; Common Tern, 1; Royal Tern, 92; Caspian Tern, 76; Black Skimmer, 68; Mourning Dove, 337; Barn Owl, 4; Screech Owl, 2; Barred Owl, 7; Belted Kingfisher, 36; Yellow-shafted Flicker, 50; Pileated Woodpecker, 15; Red-bellied Woodpecker, 51; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 33; Downy Woodpecker, 10; Eastern Phoebe, 57; Vermilion Flycatcher, 1; Tree Swallow, 21; Rough-winged Swallow, 2; Blue Jay, 91; Common Crow, 134; Carolina Chickadee, 221; Tufted Titmouse, 124; Brown-headed Nuthatch, 1; Brown Creeper, 2; House Wren, 35; Winter Wren, 2; Carolina Wren, 124; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 3; Mockingbird, 120; Catbird, **9**; Brown Thrasher, 78; Robin, 234; **Wood Thrush, 1** (all field marks at 30 ft.—C.G.); Hermit Thrush, 15; Eastern Bluebird, 76; Blue-gray Gnatcatcher, **666**; Golden-crowned Kinglet, 50; Ruby-crowned Kinglet, **462**; Water Pipit, 498; Sprague's Pipit, 5; Cedar Waxwing, 203; Loggerhead Shrike, 234; Starling, **25,000**; White-eyed Vireo, 3; Solitary Vireo, **15**; Orange-crowned Warbler, 109; Myrtle Warbler, 152; Pine Warbler, 93; Palm Warbler, 3; Yellowthroat, 9; **Yellow-breasted Chat, 1** (J.A.); House Sparrow, 475; Eastern Meadowlark, 497; Red-winged Blackbird, 35,000; Brewer's Blackbird, 4145; Boat-tailed Grackle, 303; Common Grackle, 31[illegible]; Brown-headed Cowbird, 70,000; blackbird (sp.), 2[illegible],000; Cardinal, 849; Purple Finch, 6; Am. Goldfinch, 201; **Green-tailed Towhee, 1** (B.D.); Rufous-sided Towhee, 12; Savannah Sparrow, 161; Le Conte's Sparrow, 6; Sharp-tailed Sparrow, 1; Seaside Sparrow, 6; Vesper Sparrow, 63; Lark Sparrow, 2; Slate-colored Junco, 2; Field Sparrow, 11; White-crowned Sparrow, 7; White-throated Sparrow, 503; Fox Sparrow, 10; Lincoln's Sparrow, **17** (low); Swamp Sparrow, 16; Song Sparrow, 2. **Total,** 145 species; about 186,601 individuals.—James Ambrose, Jerry Baker, Mr. and Mrs. L. A. Barnette, Sidney A. Barnette, Otis Cook, Mrs. Henry G. Corey, Paul Corneil, Hardin Craig, Dudley A. Deaver, Mr. and Mrs. Bob Deshayes, Mrs. Carl Dodge, Victor L. Emanuel, Trevor Ben Feltner, Mr. and Mrs. Clayton Gilman, Joe M. Heiser, Jr., Albert Hermie, Mr. and Mrs. Henry S. Hoffman, Mr. and Mrs. S. G. Kershner, Harry McElroy, Charles McIntire, Arlie K. McKay, Grant MacNichols, Jimmy Murray, John O'Neill, Harvey Patten, Mr. and Mrs. Billy Pettit, Jack Smith, Peggy Smith, Thelma Smith, Clint Snyder, Drew Snyder, Linda Snyder, Doug Stine, Mr. and Mrs. Jerry Strickling, Katrina Thompson, Ted Van Velzen, Skippy Wehner, Josiephine Wilkin, Stephen G. Williams (compiler), Ella Wolfer, Helen Wolfer, Armand Yramategui.

525. Huntsville, Tex. (all points within a 15-mile diameter circle, center Sam Houston State Teachers College, including Museum Park, Huntsville Cemetery, fish hatchery, airport).—Jan. 2; 8 a.m. to 4:45 p.m. Heavy fog early, overcast, misty drizzle p.m.; temp. 41 °to 60°; wind N to NW, 5-12 m.p.h. Four observers in 1 party. Total party-hours, 8¾ (4¾ on foot, 4 by car); total party-miles, 33 (8 on foot, 25 by car). ► Turkey Vulture, 5; Red-shouldered Hawk, 4; Sparrow Hawk, 4; Am. Coot, 1; Killdeer, 47; Mourning Dove, 54; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 4; Eastern Phoebe, 5; Blue Jay, 20; Common Crow, 26; Carolina Chickadee, 11; Tufted Titmouse, 6; Carolina Wren, 4; Mockingbird, 16; Brown Thrasher, 3; Robin, 5; Eastern Bluebird, 19; Ruby-crowned Kinglet, 12; Water Pipit, 60; Cedar Waxwing, 16; Loggerhead Shrike, 7; Starling, 3; White-eyed Vireo, 1; Myrtle Warbler, 16; Pine Warbler, 1; House Sparrow, 7; Eastern Meadowlark, 73; Brown-headed Cowbird, 1; Cardinal, 53; Pine Siskin, 8; Am. Goldfinch, 10; Lark Sparrow, 18; Slate-colored Junco, 5; Chipping Sparrow, 47; Field Sparrow, 2; White-throated Sparrow, 38. **Total,** 39 species; about 631 individuals.—Mrs. J. E. Casstevens (compiler), Mrs. Nelson Jones, Emma Normand, S. R. Warner.

526. Laguna Atascosa National Wildlife Refuge, Tex. (all points within a 15-mile diameter circle, center same as last year).—Dec. 29; 6:30 a.m. to 6 p.m. Cloudy, drizzling, muddy; temp. 42° to 57°; wind N to NE, 5-8 m.p.h. Fourteen observers in 6 parties. Total party-hours, 60 (36 on foot, 24 by car); total party-miles, 191 (38 on foot, 153 by car). ► Eared Grebe, 23; Least Grebe, 12; Pied-billed Grebe,

53; White Pelican, 16; Double-crested Cormorant, 2; Olivaceous Cormorant, 46; Great Blue Heron, 108; Little Blue Heron, 6; **Cattle Egret, 14** (now nests on Audubon's Green Island Sanctuary); Reddish Egret, 19; Common Egret, 179; Snowy Egret, 38; Louisiana Heron, 99; Black-crowned Night Heron, 14; Am. Bittern, 1; White-faced Ibis, 24; White Ibis, 174; Canada Goose, 13,075; White-fronted Goose, 680; Snow Goose, 3015; Blue Goose, 327; Mallard, 23; Mottled Duck, 78; Gadwall, 237; Pintail, 53,028; Green-winged Teal, 1440; Blue-winged Teal, 650; Cinnamon Teal, 15; Am. Widgeon, 8425; Shoveler, 1350; Redhead, 91,400; Ring-necked Duck, 84; Canvasback, 3850; Lesser Scaup, 16,050; Bufflehead, 59; Ruddy Duck, 1690; **Masked Duck, 2** (carefully identified—G.U.); Turkey Vulture, 32; Black Vulture, 172; **White-tailed Kite, 8** (1 pair nested on refuge); Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 3; White-tailed Hawk, 6; **Rough-legged Hawk, 1**; Ferruginous Hawk, 7; Harris' Hawk, 42; Bald Eagle, 1; Marsh Hawk, 100; Caracara, 3; Peregrine Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 57; Chachalaca, 2; Bobwhite, 231; Turkey, 87; Sandhill Crane, 490; Sora, 4; Common Gallinule, 1; Am. Coot, 44,250; Semipalmated Plover, 4; Snowy Plover, 3; Wilson's Plover, 1; Killdeer, 81; Black-bellied Plover, 61; Ruddy Turnstone, 6; Common Snipe, 51; Long-billed Curlew, 1506; Whimbrel, 1; Spotted Sandpiper, 2; Willet, 52; Greater Yellowlegs, 28; Lesser Yellowlegs, 18; Least Sandpiper, 8; Dunlin, 3; Long-billed Dowitcher, 32; **Stilt Sandpiper, 3**; Semipalmated Sandpiper, 19; Western Sandpiper, 149; Sanderling, 2; Black-necked Stilt, 16; Herring Gull, 10; Ring-billed Gull, 17; Laughing Gull, 3; Franklin's Gull, 3; Gull-billed Tern, 16; Forster's Tern, 20; Common Tern, 18; Royal Tern, 6; Caspian Tern, 9; Black Skimmer, 1; Mourning Dove, 1027; Ground Dove, 29; Inca Dove, 13; White-fronted Dove, 1; Roadrunner, 1; Groove-billed Ani, 6; Barn Owl, 4; Screech Owl, 1; Great Horned Owl, 2; **Buff-bellied Hummingbird, 1** (all field marks at 5 ft.—C.H.); Belted Kingfisher, 6; Golden-fronted Woodpecker, 25; Ladder-backed Woodpecker, 36; Tropical Kingbird, **19**; Kiskadee Flycatcher, 8; Eastern Phoebe, 5; Say's Phoebe, 3; Vermilion Flycatcher, 12; Horned Lark, 115; Green Jay, 11; Black-crested Titmouse, 3; Verdin, 7; House Wren, 21; Bewick's Wren, 6; Cactus Wren, 9; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 146; Catbird, 2; Long-billed Thrasher, 3; Curve-billed Thrasher, 19; Blue-gray Gnatcatcher, 23; Ruby-crowned Kinglet, 12; Water Pipit, 154; Sprague's Pipit, 4; Loggerhead Shrike, 13; Starling, 7; White-eyed Vireo, 21; Orange-crowned Warbler, 40; **Virginia's Warbler, 1** (carefully studied at 15 ft.—C.B.); **Yellow Warbler, 1** (C.H.); Myrtle Warbler, 3; **Yellow-throated Warbler, 1** (C.H.); Yellowthroat, 31; House Sparrow, 130; Eastern Meadowlark, **218**; Redwinged Blackbird, 14,299; Baltimore Oriole, 1; **Bullock's Oriole, 1** (R.A.); Brewer's Blackbird, 3205; Boat-tailed Grackle, 6283; Brown-headed Cowbird, 9900; **Bronzed Cowbird, 2** (Mr. and Mrs. E.S.); Cardinal, 18; Am. Goldfinch, 12; Olive Sparrow, 18; Savannah Sparrow, 55; Grasshopper Sparrow, 2; **Seaside Sparrow, 3** (certain—G.U.); Vesper Sparrow, 3; Lark Sparrow, 9; Black-throated Sparrow, 5; Clay-colored Sparrow, 28; White-throated Sparrow, 25; Lincoln's Sparrow, 51; Swamp Sparrow, 3. **Total,** 158 species; about 280,092 individuals.—Richard O. Albert, Ted L. Austin, Leslie E. Beaty (compiler), Leslie F. Beaty, Charles Bender, George Curry, Raymond J. Fleetwood, C. E. Hudson, Jr., Charles E. Hudson III, Mrs. A. P. Longland, Mr. and Mrs. E. D. Swedenborg, George A. Unland, Terry Word.

527. LaSal Vieja, Tex. (all points within a 15-mile diameter circle, center 3 miles NE of Hargill).—Dec. 26; 6 a.m. to 6:30 p.m. Fog a.m., clear p.m.; temp. 56° to 74°; wind SE, 0-8 m.p.h.; all low areas filled with water from recent rains. Eleven observers in 4 parties. Total party-hours, 38 (23 on foot, 12 by car, 3 by boat); total party-miles, 166 (35 on foot, 121 by car, 10 by boat). ► Common Loon, 5; **Horned Grebe, 3** (with Eared Grebes—Hudson party); Eared Grebe, 2341; Least Grebe, 19; Pied-billed Grebe, 37; White Pelican, 629; Olivaceous Cormorant, 1541; Anhinga, 19; Great Blue Heron, 54; Common Egret, 35; Louisiana Heron, 1; Canada Goose, 298; White-fronted Goose, 31; Snow Goose, 47; Blue Goose, 4; **Black-bellied Tree Duck, 47** (all field marks); Mallard, 8; Mottled Duck, 4; Gadwall, 101; Pintail, 319; Green-winged Teal, 117; Blue-winged Teal, 1987; **Cinnamon Teal, 3**; Am. Widgeon, 20; Shoveler, 205; Redhead, 4; Canvasback, 24; Lesser Scaup, 3171; Bufflehead, 1; Ruddy Duck, 216; Red-breasted Merganser, 1; Turkey Vulture, 24; Black Vulture, 53; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Ferruginous Hawk, 1; Harris' Hawk, 19; Marsh Hawk, 36; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 38; Chachalaca, 2; Bobwhite, 47; Scaled Quail, 3; Sandhill Crane, 1; Common Gallinule, 7; Am. Coot, 515; Semipalmated Plover, 1; Piping Plover, 1; Snowy Plover, 25; Killdeer, 59; Black-bellied Plover, 18; Common Snipe, 5; Long-billed Curlew, 163; Spotted Sandpiper, 12; Greater Yellowlegs, 35; Lesser Yellowlegs, 15; Least Sandpiper, 58; Dunlin, 57; Long-billed Dowitcher, 43; Semipalmated Sandpiper, 20; Western Sandpiper, 37; Sanderling, 1; Am. Avocet, 21; Black-necked Stilt, **20**; **Wilson's Phalarope, 15** (3 parties); Herring Gull, 16; Ring-billed Gull, 169; Laughing Gull, 33; Gull-billed Tern, 31; Forster's Tern, 25; Common Tern, 12; **Red-billed Pigeon, 40** (3 winters); Mourning Dove, 1619; Ground Dove, 52; Inca Dove, 29; White-fronted Dove, 2; Roadrunner, 4; Great Horned Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 2; Golden-fronted Woodpecker, 37; Ladder-backed Woodpecker, 30; Tropical Kingbird, 12; Kiskadee Flycatcher, 2; Eastern Phoebe, 14; Say's Phoebe, 1; Vermilion Flycatcher, 7; Tree Swallow, 15; Green Jay, 19; White-necked Raven, 1; Black-crested Titmouse, 6; Verdin, 9; House Wren, 13; Bewick's Wren, 7; Cactus Wren, 7; Short-billed Marsh Wren, 3; Mockingbird, 144; Long-billed Thrasher, 1; Curve-billed Thrasher, 12; Robin, 3; **Swainson's Thrush, 1** (all field marks); Blue-gray Gnatcatcher, 170; **Golden-crowned Kinglet, 3** (with Ruby-crowns); Ruby-crowned Kinglet, 19; Sprague's Pipit, 3; Loggerhead

Shrike, 23; Starling, 1; White-eyed Vireo, 1; Black-and-white Warbler, 1; Orange-crowned Warbler, 7; Myrtle Warbler, 26; Audubon's Warbler, 1; Yellow-throated Warbler, 3; Yellowthroat, 34; House Sparrow, 616; Eastern Meadowlark, 152; Western Meadowlark, 3; Red-winged Blackbird, 276; Black-headed Oriole, 1; Brewer's Blackbird, 86; Boat-tailed Grackle, 347; Brown-headed Cowbird, 579; Bronzed Cowbird, 477; Cardinal, 22; Pyrrhuloxia, 7; **Indigo Bunting, 6** (ideal study); White-collared Seedeater, 4; Am. Goldfinch, 10; Olive Sparrow, 2; Green-tailed Towhee, 1; Savannah Sparrow, 26; **Henslow's Sparrow, 2** (1 each by 2 parties); Vesper Sparrow, 27; Lark Sparrow, 162; **Cassin's Sparrow, 2** (A.H., M.T.); Black-throated Sparrow, 5; Clay-colored Sparrow, 16; Field Sparrow, 3; White-crowned Sparrow, 7; White-throated Sparrow, 2; Lincoln's Sparrow, 115; Swamp Sparrow, 1; Song Sparrow, 1. **Total,** 144 species; about 18,284 individuals. (Seen in area count period, but not on count day: Snowy Egret, Ring-necked Duck, Cooper's Hawk, Caracara, Sora, Barn Owl, Screech Owl, Pauraque.)—David Blankinship, Maurine Gill, Terry Gill, Allan Hayse, C. E. Hudson, Jr., Charles Hudson, Pauline James (compiler), Luhe McConnell, Verona M. McConnell, Herbert Nordmeyer, Melvin Thompson.

528. Midland, Tex. (all points within a 15-mile diameter circle, center at rodeo grounds on east edge of town; short grass plains with mesquite thickets 40%, cultivated fields 35%, parks and gardens 15%, water 5%, hackberry and soapberry groves 5%).—Dec. 28; 8 a.m. to 6 p.m. Drizzle all day, norther blowing in; temp. 40° to 33°; wind ENE, 25-15 m.p.h. Six observers in 3 parties. Total party-hours, 22 (2 on foot, 20 by car); total party-miles, 149½ (1½ on foot, 148 by car). ► Pintail, 1; Green-winged Teal, 14; Shoveler, 14; Lesser Scaup, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1 (not unusual in area); Ferruginous Hawk, 1; Marsh Hawk, 24; Sparrow Hawk, 6; Scaled Quail, 235; Sandhill Crane, 1; Killdeer, 4; Common Snipe, 1; Long-billed Curlew, 1; Least Sandpiper, 8; Mourning Dove, 92; Roadrunner, 5; Barn Owl, 1; Great Horned Owl, 4; Red-shafted Flicker, 11; Ladder-backed Woodpecker, 6; Bewick's Wren, 1; Cactus Wren, 16; Mockingbird, 21; Curve-billed Thrasher, 11; Water Pipit, 8; Cedar Waxwing, 234; Loggerhead Shrike, 18; Starling, 1257; Orange-crowned Warbler, 2; Myrtle Warbler, 34; Audubon's Warbler, 77; House Sparrow, 2764; Western Meadowlark, 135; **Bullock's Oriole, 1** (at feeder since Dec. 1); Brown-headed Cowbird, 9262; Cardinal, 3; Pyrrhuloxia, 70; House Finch, 18; Rufous-sided Towhee, 4; Lark Bunting, 2530 (last year 13,000); Savannah Sparrow, 137; Baird's Sparrow, 5; Vesper Sparrow, 154; Slate-colored Junco, 5; Oregon Junco, 35; Field Sparrow, 3; White-crowned Sparrow, 364; Lincoln's Sparrow, 2; Song Sparrow, 3. **Total,** 51 species; about 17,612 individuals. (Seen in area count period, but not on count day: White-necked Raven, Ruby-crowned Kinglet, Am. Goldfinch.)—James Balliet, Ola Dublin Haynes, June Kingon, Anne LeSassier, Frances Williams (compiler), Harold Williams.

529. Odessa, Tex. (all points with a 15-mile diameter circle, center at junction of Farm Road 1788 and first paved road south of U. S. 80; chaparral 50%, short grass plains 40%, water 5%, cultivated fields 5%).—Dec. 29; 8:30 a.m. to 5:30 p.m. Overcast; temp. 28° to 35°; wind ENE, 5-10 m.p.h.; water open. Two observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 71 (3 on foot, 68 by car). ► Shoveler, 11; Red-tailed Hawk, 7; **Rough-legged Hawk, 3** (plus 1 found dead); Ferruginous Hawk, 3; Harris' Hawk, 6; Marsh Hawk, 58; Sparrow Hawk, 3; Scaled Quail, 27; Killdeer, 9; Least Sandpiper, 3; Western Sandpiper, 13; Mourning Dove, 53; Great Horned Owl, 1; Short-eared Owl, 2; Red-shafted Flicker, 1; Horned Lark, 71; White-necked Raven, 3; Verdin, 3; Bewick's Wren, 1; Cactus Wren, 13; **Short-billed Marsh Wren, 1** (carefully identified at 10 ft.); Mockingbird, 8; Curve-billed Thrasher, 21; Water Pipit, 3; Loggerhead Shrike, 28; Starling, 2; House Sparrow, 279; Western Meadowlark, 94; Redwinged Blackbird, 117; Brewer's Blackbird, 121; Brown-headed Cowbird, 714; Cardinal, 2; Pyrrhuloxia, 86; Pine Siskin, 6; Am. Goldfinch, 21; Green-tailed Towhee, 2; Rufous-sided Towhee, 9; Lark Bunting, 916; Vesper Sparrow, 17; Oregon Junco, 3; Field Sparrow, 5; White-crowned Sparrow, 511; Lincoln's Sparrow, 4; Song Sparrow, 1. **Total,** 44 species; about 3262 individuals.—James Balliet, Anne LeSassier (compiler).

530. Palmetto State Park, Tex. (all points within a 5-mile diameter circle, center on refectory in park as in previous years).—Dec. 30; 7:45 a.m. to 4:45 p.m. Overcast, drizzle starting 3 p.m.; temp. 41° to 45°; wind NNE, 11-6 m.p.h.; ground very wet from recent rains. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 26 (6 on foot, 20 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Turkey Vulture, 17; Black Vulture, 8; Red-tailed Hawk, 2; Red-shouldered Hawk, 11; Marsh Hawk, 2; Caracara, 6; Sparrow Hawk, 9; Bobwhite, 1; Am. Coot, 6; Killdeer, 2; Mourning Dove, 58; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 13; Golden-fronted Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 3; Ladder-backed Woodpecker, 2; Eastern Phoebe, 19; Blue Jay, 3; Common Crow, 32; Carolina Chickadee, 40; Tufted Titmouse, 25; Brown Creeper, 1; House Wren, 27; Winter Wren, 1; Bewick's Wren, 14; Carolina Wren, 22; Mockingbird, 42; Brown Thrasher, 13; Robin, 103; Hermit Thrush, 22; Eastern Bluebird, 18; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 93; Water Pipit, 1; Cedar Waxwing, 37; Loggerhead Shrike, 7; Starling, 499; Solitary Vireo, 3; Orange-crowned Warbler, 16; Myrtle Warbler, 46; Pine Warbler, 5; Yellowthroat, 1; House Sparrow, 14; Western Meadowlark, 1; meadowlark (sp.), 69; Redwinged Blackbird, 4200; Brown-headed Cowbird, 101; Cardinal, 217; Am. Goldfinch, 43; Rufous-sided Towhee, 29; Savannah Sparrow, 2; Grasshopper Sparrow, 2; Vesper Sparrow, 113; Lark Sparrow, 12; Field Sparrow, 102; Harris' Sparrow,

50; White-crowned Sparrow, 10; White-throated Sparrow, 161; Fox Sparrow, 8; Lincoln's Sparrow, 48; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 67 species; about 6443 individuals.—Fred S. Webster, Jr. (compiler), Donald W. Woodard.

531. **Plainview, Tex.** (all points within a 15-mile diameter circle, center Sunset Theatre on U. S. 87 south of Plainview, including airport, cemetery, golf course, city parks, surrounding agricultural lands; intensely cultivated land 90%, 1-10-acre playa lakes 5%, airport, cemetery, parks, etc. 5%).—Dec. 21; 8 a.m. to 5 p.m. Cloudy before 10 a.m. and after 3 p.m.; temp. 18° to 42°; wind variable, 0-15 m.p.h. Three observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 61 (3 on foot, 58 by car). ► Mallard, 19; Pintail, 70; Lesser Scaup, 1; Ruddy Duck, 2; Sharp-shinned Hawk, 1; Rough-legged Hawk, 5; Marsh Hawk, 11; Sparrow Hawk, 3; Am. Coot, 6; **Greater Yellowlegs, 1** (good study by all); **Barn Owl, 1**; Burrowing Owl, 3; Red-shafted Flicker, 8; Horned Lark, 8; Mockingbird, 3; Loggerhead Shrike, 1; Starling, 297; **Myrtle Warbler, 1** (all field marks); House Sparrow, 2500; Western Meadowlark, 293; Brown-headed Cowbird, 6; **Cassin's Finch, 8** (carefully identified); **Common Redpoll, 3** (in cemetery 4 weeks, studied repeatedly); Slate-colored Junco, 2; **Oregon Junco, 17** (7 Pink-sided); White-crowned Sparrow, 181; Song Sparrow, 2. **Total,** 27 species (1 additional race); about 3453 individuals. (Seen in area count period, but not on count day: Blue Jay, Robin, Rufous-sided Towhee.)—Lawrence Chu, Gordon C. Creel, Earl Sanders (compiler).

532. **San Antonio, Tex.** (all points within a 15-mile diameter circle, center 9¼ miles north of southern Bexar County line and 11 miles east of western Bexar County line; wooded stream border 20%, brushland 45%, man-made lakes and ponds 25%, woodland 10%).—Dec. 26; 7 a.m. to 5 p.m. Overcast all day, fog lifting at noon; temp. 52° to 58°; wind variable, 1-5 m.p.h. Eighteen observers in 5 parties. Total party-hours, 44 (30 on foot, 14 by car); total party-miles, 114 (20 on foot, 94 by car). ► Eared Grebe, 311; Pied-billed Grebe, 40; **White Pelican, 1** (2 parties); Double-crested Cormorant, 1; Great Blue Heron, 3; Common Egret, 14; Snowy Egret, 9; Black-crowned Night Heron, 1; **Canada Goose, 70**; Gadwall, 9; Pintail, 5; Blue-winged Teal, 4; Shoveler, 54; Lesser Scaup, 7; Ruddy Duck, 26; Turkey Vulture, 1; Black Vulture, 7; Red-tailed Hawk, 12; Red-shouldered Hawk, 3; **Ferruginous Hawk, 1** (Karl party); Harris' Hawk, 3; Marsh Hawk, 7; Sparrow Hawk, 59; Bobwhite, 13; Am. Coot, 554; Killdeer, 161; Common Snipe, 10; Spotted Sandpiper, 2; **Ring-billed Gull, 1** (3 observers); Mourning Dove, 304; Ground Dove, 4; Roadrunner, 4; Great Horned Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 2; Red-shafted Flicker, 7; Golden-fronted Woodpecker, **104**; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 38; Eastern Phoebe, 7; Say's Phoebe, 1; Vermilion Flycatcher, 5; Horned Lark, 15; Common Crow, 12; Carolina Chickadee, 8; Black-crested Titmouse, 71; Verdin, 13; House Wren, 24; Winter Wren, 1; Bewick's Wren, 30; Carolina Wren, 9; Cactus Wren, 23; Long-billed Marsh Wren, 1; Cañon Wren, 1; Mockingbird, 119; Long-billed Thrasher, 1; Curve-billed Thrasher, 10; Sage Thrasher, 1; Robin, 3; Hermit Thrush, 1; **Western Bluebird, 1** (J.M.); Blue-gray Gnatcatcher, 8; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 77; Water Pipit, 30; Loggerhead Shrike, 48; Starling, 2944; White-eyed Vireo, 2; Orange-crowned Warbler, 7; Myrtle Warbler, 26; Audubon's Warbler, 1; Yellowthroat, 8; **Wilson's Warbler, 1**; House Sparrow, 264; Eastern Meadowlark, 345; Redwinged Blackbird, 3317; Brewer's Blackbird, 170; Boat-tailed Grackle, 44; Brown-headed Cowbird, 8121; Cardinal, 165; Pyrrhuloxia, 81; House Finch, 6; Am. Goldfinch, 3; Lesser Goldfinch, 120; Rufous-sided Towhee, 10; Savannah Sparrow, 193; Vesper Sparrow, 190; Lark Sparrow, 80; Black-throated Sparrow, 6; Chipping Sparrow, 4; Field Sparrow, 38; Harris' Sparrow, 4; White-crowned Sparrow, 199; White-throated Sparrow, 12; Lincoln's Sparrow, 251; Song Sparrow, 19. **Total,** 96 species; about 19,015 individuals. (Seen in area count period, but not on count day: Green-winged Teal, Am. Widgeon, Ring-necked Duck, Bufflehead, Inca Dove, **Black Phoebe,** Brown Thrasher, Sprague's Pipit, Green-tailed Towhee.)—Charles Bender, Elisabeth Blount, Edward Dearing, Geraldl and Adele Harding, Bob and Edith Wilson Henderson, Henry and Jeanne Karl, Hazel Kush (compiler), Maurine McFarland, James Middleton.

533. **Santa Ana National Wildlife Refuge, Tex.** (all points within a 15-mile diameter circle, center same as last year).—Dec. 22; 6 a.m. to 6 p.m. Cloudy; temp. 33° to 60°; wind N, 8-12 m.p.h. Twenty observers in 6 parties. Total party-hours, 54 (37 on foot, 17 by car); total party-miles, 131 (30 on foot, 101 by car). ► Least Grebe, 5; Pied-billed Grebe, 5; Olivaceous Cormorant, 1; Anhinga, 7; Great Blue Heron, 47; Common Egret, 2; Black-crowned Night Heron, 344; Canada Goose, 75; **Black-bellied Tree Duck, 66** (usually go south in Oct.); **Fulvous Tree Duck, 1**; Gadwall, 515; Pintail, 290; Green-winged Teal, 559; Blue-winged Teal, 261; Cinnamon Teal, 5; Am. Widgeon, 78; Shoveler, 35; Canvasback, 25; Lesser Scaup, 25; Turkey Vulture, 301; Black Vulture, 154; White-tailed Kite, 2; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 13; Ferruginous Hawk, 1; Harris' Hawk, 15; **Black Hawk, 1**; Marsh Hawk, 24; Sparrow Hawk, 67; Chachalaca, 70; Bobwhite, 12; Sora, 3; Common Gallinule, 7; Am. Coot, 459; Killdeer, 5; Common Snipe, 4; Solitary Sandpiper, 1; Greater Yellowlegs, 2; Lesser Yellowlegs, 11; Least Sandpiper, 58; **Stilt Sandpiper, 11**; Western Sandpiper, 22; Black-necked Stilt, 7; Mourning Dove, 385; Ground Dove, 118; Inca Dove, 62; White-fronted Dove, 20; Roadrunner, 2; Barn Owl, 9; Screech Owl, 3; Great Horned Owl, 1; **Short-eared Owl, 1**; Pauraque, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Golden-fronted Woodpecker, 51; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 66; **Rose-throated Becard, 1** (E.K., A.S.); Tropical Kingbird, 30; Kiskadee Fly-

catcher, 69; Eastern Phoebe, 18; Vermilion Flycatcher, 14; Beardless Flycatcher, 1 (resident all year); Horned Lark, 1; Green Jay, 131; White-necked Raven, 98; Black-crested Titmouse, 15; Verdin, 9; House Wren, **80**; **Winter Wren, 3** (good studies—E.G., A.S.); Bewick's Wren, 7; Cactus Wren, 10; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 44; Long-billed Thrasher, 43; Curve-billed Thrasher, 4; Hermit Thrush, 3; Blue-gray Gnatcatcher, 106; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 36; Water Pipit, 116; Loggerhead Shrike, 12; White-eyed Vireo, 6; Solitary Vireo, 4; Black-and-white Warbler, 7; Orange-crowned Warbler, 51; Nashville Warbler, 6; **Magnolia Warbler, 2**; Myrtle Warbler, 44; Yellowthroat, 44; Yellow-breasted Chat, 1; Am. Redstart, 1; House Sparrow, 763; Eastern Meadowlark, 29; Redwinged Blackbird, 491; Black-headed Oriole, 2; Hooded Oriole, 5; **Lichtenstein's Oriole, 4** (permanent resident); Brewer's Blackbird, 180; Boat-tailed Grackle, 27; Brown-headed Cowbird, 350; Cardinal, 26; **Black-headed Grosbeak, 1** (all field marks—C.H.); Indigo Bunting, 5; White-collared Seedeater, 49; Am. Goldfinch, 183; Olive Sparrow, 4; Green-tailed Towhee, 1; Savannah Sparrow, 12; Lark Sparrow, 14; Chipping Sparrow, 1; Clay-colored Sparrow, 1; Lincoln's Sparrow, 149; Swamp Sparrow, 5; Song Sparrow, 3. **Total,** 118 species; about 7665 individuals. (Seen in area count period, but not on count day: Green Heron, Ring-necked Duck, Spotted Sandpiper, dowitcher, Semipalmated Sandpiper, Red-billed Pigeon, Ruby-throated Hummingbird, Rough-winged Swallow, Eastern Bluebird, Starling, Audubon's Warbler, Black-throated Gray Warbler, Black-throated Green Warbler, Ovenbird, Western Meadowlark.)—Robbie Askins, Leslie E. Beaty (compiler), Mrs. Leslie E. Beaty, Tony Bennett, Mrs. Fred Brett, Raymond J. Fleetwood, C. E Hudson, Jr., C. E. Hudson III, Jim Huffman, Guy R. Jewell, Edgar Kincaid, Mrs. A. P. Longland, Luhe McConnell, Thomas Mugglestone, P. B. Myers, Arnold Small, Mr. and Mrs. E. D. Swedenborg, George A. Unland, Mary Young.

534. Sheffield, Tex. (all points within a 15-mile diameter circle, center the gas well Cities Service #1 Hobbs, Sec. 7, Blk. GG 7½ miles NE of Sheffield, including Pecos River, Live Oak Creek, intervening mesas; juniper-mesquite mesas and canyons 30%, oak groves 25%, mesquite and short grass pasture 20%, streamside thickets 15%, river and creek 10%).—Dec. 23; 8:30 a.m. to 6:30 p.m. Clear; temp. 32° to 45°; wind NE, 5-10 m.p.h.; ground dry, water open. Three observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 72 (4 on foot, 68 by car). ► Great Blue Heron, 1; Gadwall, 4; Pintail, 2; Green-winged Teal, 3; Am. Widgeon, 42; Canvasback, 15; Red-tailed Hawk, 6; Harris' Hawk, 2; Scaled Quail, 21; Killdeer, 16; Western Sandpiper, 3; Mourning Dove, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 10; Ladder-backed Woodpecker, 2; Say's Phoebe, 2; **Common Raven, 2** (seen and heard well); Black-crested Titmouse, 7; Verdin, 6; Bewick's Wren, 11; Rock Wren, 2; Mockingbird, 116; Sage Thrasher, 1; Mountain Bluebird, 21; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 14; Water Pipit, 2; Loggerhead Shrike, 10; Myrtle Warbler, 5; Audubon's Warbler, 5; House Sparrow, 24; Cardinal, 41; Pyrrhuloxia, 14; House Finch, 56; Am. Goldfinch, 12; Green-tailed Towhee, 1; Rufous-sided Towhee, 3; Brown Towhee, 21; Rufous-crowned Sparrow, 2; Black-throated Sparrow, 39; White-crowned Sparrow, 56; **White-throated Sparrow, 1** (adult watched 20 minutes). **Total,** 43 species; about 608 individuals. —James Balliet, Anne LeSassier (compiler), Richard LeSassier.

535. Sherman, Tex. (all points within a 15-mile diameter circle, center 2.6 miles west of Perrin Air Force Base as last year, extending from Sherman west to Sadler, from Southmayd north to Lake Texoma, including Hagerman Wildlife Refuge on Big Mineral Arm of Lake Texoma).—Jan. 2; 7:30 a.m. to 5 p.m. Partly cloudy; temp. 31° to 49°; wind NW, 10 m.p.h. One observer. Total hours, 9½ (2 on foot, 7½ by car); total miles, 67 (2 on foot, 65 by car). ► Great Blue Heron, 11; Canada Goose, 5000+; Mallard, 2000+; Am. Widgeon, 20; Shoveler, 27; Redhead, 10; Ring-necked Duck, 16; Canvasback, 3; Lesser Scaup, 226; Ruddy Duck, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; **Bald Eagle, 1** (good study); Marsh Hawk, 1; Sparrow Hawk, 2; Killdeer, 2; Herring Gull, 6; Ring-billed Gull, 45; Mourning Dove, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 8; Blue Jay, 23; Common Crow, 52; Carolina Chickadee, 11; Tufted Titmouse, 4; Carolina Wren, 3; Mockingbird, 9; Brown Thrasher, 4; Robin, 425; Eastern Bluebird, 1; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Water Pipit, 4; **Cedar Waxwing, 46** (feeding on hackberries); Loggerhead Shrike, 14; Starling, 135; **Yellowthroat, 1**; House Sparrow, 83; Eastern Meadowlark, 337; Redwinged Blackbird, 510; Rusty Blackbird, 106; Brown-headed Cowbird, 52; Cardinal, 26; Am. Goldfinch, 52; Rufous-sided Towhee, 1; Savannah Sparrow, 9; Vesper Sparrow, 2; Slate-colored Junco, 124; Chipping Sparrow, 3; Field Sparrow, 71; Harris' Sparrow, 185; White-crowned Sparrow, 21; White-throated Sparrow, 54; Lincoln's Sparrow, 3; Song Sparrow, 24. **Total,** 61 species; about 9815 individuals.—J. P. Ferrill.

536. Stanton, Tex. (all points within a 15-mile diameter circle, center at junction of U. S. 80 and Farm Road 818; short grass plains with mesquite thickets 40%, cultivated fields 25%, draws with thick growth of mesquite, hackberry, and soapberry trees 25%, lakes 10%).—Dec. 21; 8:30 a.m. to 6:30 p.m. Clear to partly cloudy; temp. 26° to 40°; wind NE, 5-15 m.p.h.; ground dry, water slightly iced a.m., open later. Three observers in 1 party. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 51 (2 on foot, 49 by car). ► Pintail, 1; Shoveler, 1; Red-tailed Hawk, 17; Ferruginous Hawk, 2; Harris' Hawk, 11; Marsh Hawk, 13; Sparrow Hawk, 1;

Scaled Quail, 46; Sandhill Crane, 7342; Killdeer, 13; Least Sandpiper, 17; Mourning Dove, 71; Short-eared Owl, 1; Red-shafted Flicker, 4; Ladder-backed Woodpecker, 5; Horned Lark, 5; White-necked Raven, 187; Verdin, 2; Bewick's Wren, 2; Cactus Wren, 11; Mockingbird, 15; Curve-billed Thrasher, 24; Robin, 2; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 19; Starling, 1; House Sparrow, 104; Western Meadowlark, 311; Brown-headed Cowbird, 30; Cardinal, 5; Pyrrhuloxia, 61; House Finch, 46; Rufous-sided Towhee, 1; Brown Towhee, 3; Lark Bunting, 918; Savannah Sparrow, 12; Vesper Sparrow, 47; Black-throated Sparrow, 4; Oregon Junco, 6; White-crowned Sparrow, 122. **Total,** 40 species; about 9484 individuals. (Seen in area count period, but not on count day: Burrowing Owl.)—John Adams, Anne LeSassier (compiler), Bill LeSassier.

537. Tyler, Tex. (all points within a 15-mile diameter circle, center 5¼ miles south and slightly east of courthouse in Tyler and ¾ mile east of Highway 69 as in previous years; lakes and marshes 5%, brushy fields and edges 25%, deciduous woods 30%, pine woods 5%, open fields and pastures 35%).—Dec. 31; 6:30 a.m. to 5:30 p.m. Cloudy with mist and rain; temp. 40° to 42°; wind NW, 5-20 m.p.h. Fifteen observers in 8 parties. Total party-hours, 63 (23 on foot, 39 by car, 1 by boat); total party-miles, 331 (28 on foot, 298 by car, 5 by boat). ► Pied-billed Grebe, 7; Great Blue Heron, 13; **Am. Bittern, 1** (close range—O.S.); Wood Duck, 1; Turkey Vulture, 38; Black Vulture, 27; Sharp-shinned Hawk, 2; Red-tailed Hawk, 32; Red-shouldered Hawk, 11; **Broad-winged Hawk, 1** (all field marks—G.T.); Rough-legged Hawk, 2; Marsh Hawk, 9; Sparrow Hawk, 30; Bobwhite, 65; Am. Coot, 259; Killdeer, 39; Common Snipe, 22; Mourning Dove, 90; Roadrunner, 1; Barred Owl, 1; **Long-eared Owl, 3** (regular roost on Langley Island); Short-eared Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 56; Red-bellied Woodpecker, 58; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 8; Downy Woodpecker, 7; Eastern Phoebe, 1; Blue Jay, 267; Common Crow, 247; Carolina Chickadee, 40; Tufted Titmouse, 56; White-breasted Nuthatch, 5; Brown Creeper, 3; House Wren, 1; Winter Wren, 3; Bewick's Wren, 8; Carolina Wren, 30; Short-billed Marsh Wren, 1; Mockingbird, 83; Brown Thrasher, 41; Robin, 15; Hermit Thrush, 17; Eastern Bluebird, 167; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 45; Sprague's Pipit, 4; Cedar Waxwing, 36; Loggerhead Shrike, 66; Starling, 596; Orange-crowned Warbler, 2; Myrtle Warbler, 351; Pine Warbler, 15; **Yellowthroat, 1** (O.S.); House Sparrow, 316; Eastern Meadowlark, 362; Western Meadowlark, 1; Red-winged Blackbird, 8829; Rusty Blackbird, 788; Brewer's Blackbird, 5420; Common Grackle, 11,015; Brown-headed Cowbird, 1195; Cardinal, 398; Am. Goldfinch, 44; Rufous-sided Towhee, 17 (1 Spotted); Savannah Sparrow, 48; Grasshopper Sparrow, 1; Vesper Sparrow, 58; Slate-colored Junco, 439; Oregon Junco, 1; Chipping Sparrow, 65; Field Sparrow, 568; Harris' Sparrow, 31; White-crowned Sparrow, 73; White-throated Sparrow, 1031; Fox Sparrow, 17; Lincoln's Sparrow, 32; Swamp Sparrow, 25; Song Sparrow, 240; Lapland Longspur, 9; Smith's Longspur, 30. **Total,** 83 species (1 additional race); about 33,980 individuals.—Mr. and Mrs. F. L. Carmichael, Michael Carmichael, J. P. Ferrill, Mary Catherine Haynes, L. G. Huey, Campbell Loughmiller, Dr. and Mrs. Eldon W. Lyle, Tom Newkirk, Osborne Richards, O. C. Sheffield (compiler), Gerald Smith, Gaddis Taylor, Mrs. Maie C. Taylor (Tyler Aud. Society).

538. Welder Wildlife Refuge, Tex. (all points within a 15-mile diameter circle, center Headquarters 8 miles NE of Sinton; area covered approximately 7½ miles east and west, 2½ miles north and south).—Jan. 2; 6:45 a.m. to 6:15 p.m. Partly overcast; temp. 50° to 58°; wind NNE, 5-15 m.p.h.; most roads wet and impassable. Eight observers in mostly 8 parties. Total party-hours, 45 (38 on foot, 7 by car); total party-miles, 62 (25 on foot, 37 by car). ► Eared Grebe, 100+; Least Grebe, 5; Pied-billed Grebe, 26; White Pelican, 5; Double-crested Cormorant 15; Olivaceous Cormorant, 1; Anhinga, 10; Great Blue Heron, 15; **Green Heron, 1**; **Cattle Egret, 100+**; Common Egret, 14; Snowy Egret, 1; Black-crowned Night Heron, 1; Canada Goose, 19; Mallard, 6; Mottled Duck, 2; Gadwall, 33; Pintail, 50; Green-winged Teal, 2; Cinnamon Teal, 12; Blue-winged Teal, 53; Shoveler, 30; Redhead, 1; Ring-necked Duck, 71; Canvasback, 9; Lesser Scaup, 117; Ruddy Duck, 200; Turkey Vulture, 280; Black Vulture, 38; Cooper's Hawk, 2; Red-tailed Hawk, 14; Red-shouldered Hawk, 7; **Swainson's Hawk, 1**; White-tailed Hawk, 5; Harris' Hawk, 1; Marsh Hawk, 43; Caracara, 7; Pigeon Hawk, 1; Sparrow Hawk, 29; Bobwhite, 133; Turkey, 150+; Sandhill Crane, 130+; Sora, 1; **Black Rail, 1** (seen well twice by 2 careful observers); **Common Gallinule, 2**; Am. Coot, 2280; Killdeer, 25; Common Snipe, 11; Greater Yellowlegs, 1; Short-billed Dowitcher, 4; Long-billed Dowitcher, 16; Laughing Gull, 1; Mourning Dove, 76; Inca Dove, 7; Roadrunner, 4; Barn Owl, 1; Great Horned Owl, 5; Barred Owl, 7; Pauraque, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Red-shafted Flicker, 1; Red-bellied Woodpecker, 2; Golden-fronted Woodpecker, 11; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 19; Eastern Phoebe, 25; Say's Phoebe, 4; Vermilion Flycatcher, 2; Tufted Titmouse, 4; Black-crested Titmouse, 8 (majority of local titmice are hybrids between last two species) [if so, probably races of one species—Ed.]; Verdin, 3; House Wren, 28; Winter Wren, 3; Bewick's Wren, 5; Carolina Wren, 3; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 2; Mockingbird, 59; **Catbird, 2**; Brown Thrasher, 13; **Long-billed Thrasher, 6**; Robin, 10; Hermit Thrush, 6; Eastern Bluebird, 9; Blue-gray Gnatcatcher, 77; Golden-crowned Kinglet, 1 (common last winter); Ruby-crowned Kinglet, 50; Water Pipit, 150+; Sprague's Pipit, 8; Cedar Waxwing, 9; Loggerhead Shrike, 53; Starling, 1; White-eyed Vireo, 20; **Solitary Vireo, 1** (R.A.); Orange-crowned Warbler, 17; **Nashville Warbler, 1** (all field marks—W.G., H.L.); Myrtle Warbler, 5; Yellowthroat, 15; **Wilson's Warbler, 1**; Eastern Meadowlark, 500; Western Meadowlark, 150; Redwinged

Blackbird, 600; Brewer's Blackbird, 250; Boat-tailed Grackle, 150; Brown-headed Cowbird, 300+; Cardinal, 300; Pyrrhuloxia, 37; **Blue Grosbeak, 1** (good study at 20 ft.—C.C.); Am. Goldfinch, 38; Rufous-sided Towhee, 2; Savannah Sparrow, 45; Grasshopper Sparrow, 5; Vesper Sparrow, 150+; Lark Sparrow, 24; Cassin's Sparrow, 3; Chipping Sparrow, 15; Clay-colored Sparrow, 2; Field Sparrow, 100+; White-crowned Sparrow, 40; White-throated Sparrow, 37; **Fox Sparrow, 1**; Lincoln's Sparrow, 155; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 125 species; about 7751 individuals. (Seen in area count period, but not on count day: Horned Grebe, Louisiana Heron, Snow Goose, Blue Goose, Fulvous Tree Duck, Black Duck, Am. Widgeon, Greater Scaup, Bufflehead, Rough-legged Hawk, Long-billed Curlew, Lesser Yellowlegs, Ring-billed Gull, Forster's Tern, Caspian Tern, Burrowing Owl, Scissor-tailed Flycatcher, Tree Swallow.)—Richard O. Albert, Roger Bider, Clarence Cottam (compiler), Mrs. Margery B. Cottam, W. C. Glazener, Harold E. Laughlin, Bobby J. Wilks, Terry Word.

539. Wharton, Tex. (all points within a 15-mile diameter circle, center Wharton County Courthouse). —Jan. 1; 7 a.m. to 6 p.m. Partly cloudy; temp. 35° to 50°; wind SW, 3 m.p.h. Three observers in 1 party. Total party-hours, 11; total party-miles, 87 (2 on foot, 85 by car). ► Pied-billed Grebe, 22; Double-crested Cormorant, 1; Great Blue Heron, 5; Little Blue Heron, 3; Reddish Egret, 1; Common Egret, 73; Snowy Egret, 4; Yellow-crowned Night Heron, 3; Am. Bittern, 1; Canada Goose, 10; White-fronted Goose, 35; Snow Goose, 1070; Blue Goose, 1020; Green-winged Teal, 1; Am. Widgeon, 4; Canvasback, 2; Lesser Scaup, 87; Turkey Vulture, 5; Black Vulture, 62; **White-tailed Kite, 1** (long careful study at 50 yds.); Cooper's Hawk, 3; Red-tailed Hawk, 28; Red-shouldered Hawk, 8; Marsh Hawk, 23; Sparrow Hawk, 55; Am. Coot, 20; Killdeer, 29; Greater Yellowlegs, 5; Herring Gull, 3; Ring-billed Gull, 20; Common Tern, 1; Mourning Dove, 135; Inca Dove, 3; Barred Owl, 1; Belted Kingfisher, 17; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 1; Eastern Phoebe, 3; Blue Jay, 7; Common Crow, 550; Carolina Chickadee, 7; Tufted Titmouse, 4; Carolina Wren, 3; Mockingbird, 10; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 59; Starling, 300; House Sparrow, 120; Eastern Meadowlark, 31; Red-winged Blackbird, 350; Boat-tailed Grackle, 32; Common Grackle, 200; Brown-headed Cowbird, 50; Cardinal, 12; Am. Goldfinch, 45; Savannah Sparrow, 30; Song Sparrow, 1. **Total,** 61 species; about 4591 individuals.—Don Baylor, Angus M. Brown (compiler), Donald M. Brown.

540. Western Travis County, Tex. (all points within a 15-mile diameter circle, center 8½ miles northwest of State Capitol Building as in previous 2 years).—Dec. 31; 7 a.m. to 5:30 p.m. Clear to cloudy; temp. 40° to 50°; wind WNW, 0-13 m.p.h.; ground wet from recent rains. Eight observers in 6 parties. Total party-hours, 44 (22 on foot, 18 by car, 4 by boat); total party-miles, 142 (21 on foot, 112 by car, 9 by boat). ► Common Loon, 1; Pied-billed Grebe, 25; Great Blue Heron, 3; Mallard, 3; Gadwall, 2230; Pintail, 10; Green-winged Teal, 10; Am. Widgeon, 104; Shoveler, 3; Redhead, 1; Turkey Vulture, 17; Black Vulture, 58; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; **Golden Eagle, 1** (live one now a novelty!); Sparrow Hawk, 25; Bobwhite, 10; Am. Coot, 815; Killdeer, 55; Spotted Sandpiper, 1; Herring Gull, 1; Ring-billed Gull, 22; Mourning Dove, 17; Inca Dove, 4; Roadrunner, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 8; Red-shafted Flicker, 3; flicker (sp.), 4; Red-bellied Woodpecker, 15; Golden-fronted Woodpecker, 5; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 7; Eastern Phoebe, 5; Blue Jay, 41; Common Crow, 16; Carolina Chickadee, 59; Black-crested Titmouse, 73; House Wren, 35; Winter Wren, 3; Bewick's Wren, 44; Carolina Wren, 26; Cañon Wren, 4; Mockingbird, 65; Robin, 480; Hermit Thrush, 1; Eastern Bluebird, 2; Ruby-crowned Kinglet, 92; Water Pipit, 8; Cedar Waxwing, 170; Loggerhead Shrike, 9; Orange-crowned Warbler, 7; Myrtle Warbler, 67; Yellowthroat, 1; House Sparrow, 126; Eastern Meadowlark, 7; Western Meadowlark, 43; meadowlark (sp.), 38; Boat-tailed Grackle, 524; Brown-headed Cowbird, 51; Cardinal, 223; House Finch, 25; Pine Siskin, 68; Am. Goldfinch, 152; Lesser Goldfinch, 89; Rufous-sided Towhee, 42; Savannah Sparrow, 4; Vesper Sparrow, 27; Lark Sparrow, 22; Rufous-crowned Sparrow, 25; Slate-colored Junco, 405; Chipping Sparrow, 124; Field Sparrow, 461; Harris' Sparrow, 38; White-crowned Sparrow, 19; White-throated Sparrow, 46; Lincoln's Sparrow, 106; Song Sparrow, 20. **Total,** 78 species; about 7375 individuals.—Richard O. Bentley, Margaret Louise Hill, Mr. and Mrs. William J. Lawson, Mary Anne McClendon, Mrs. Henry J. Thaxton, Fred S. Webster, Jr. (compiler), Donald W. Woodard.

541. Billings, Mont. (all points within a 15-mile diameter circle, center Carter Oil Refinery in Yellowstone Valley between Billings and Huntley; irrigated farmlands 45%, upland pasture and wheat fields 20%, rimrocks 10%, bottomland timber 5%, water areas 10%, urban 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Overcast; temp. 24° to 30°; wind NE, 0-7 m.p.h.; 25% snow cover, small water areas frozen. Twenty-two observers in 6 parties. Total party-hours, 41 (19 on foot, 22 by car); total party-miles, 255 (31 on foot, 224 by car). ► Canada Goose, 12; Mallard, 317; Common Goldeneye, 163; Common Merganser, 27; Rough-legged Hawk, 3; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 6; Prairie Falcon, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 74; Killdeer, 21; **California Gull, 1**; Short-eared Owl, 4; Belted Kingfisher, 2; Red-shafted Flicker, 11; Hairy Woodpecker, 7; Downy Woodpecker, 13; Horned Lark, 16; Black-billed Magpie, 296; Common Crow, 1; Black-capped Chickadee, 98; Robin, 3; Townsend's Solitaire, 8; Bohemian Waxwing, 279; Starling, 492; House Sparrow, 870; Western Meadowlark, 7; Gray-crowned Rosy Finch, 1; Am. Goldfinch, 5; Red Cross-

bill, 7; Slate-colored Junco, 7; Oregon Junco, 10; Tree Sparrow, 389; Song Sparrow, 31. **Total,** 35 species; about 3188 individuals. (Seen in area count period, but not on count day: Gray Partridge.)—Elihu D. Berg, Forrest Berg, Marguerite Boerner, Mickey Crawford, John Gorder, Marcia Gorder, Cecil E. Gubser, Alice Hamilton, Robert Hamilton, Richard Heiser, Mrs. Philip Hendricks, Myrtle L. Jones, Adrian J. Langstaff, John Langstaff, Louis M. Moos (compiler), Mr. and Mrs. Joel Noreling, Irving Quanbeck, Ron Reinstma, Winifred Stull, John Wohler, John Wyze (Billings Audubon Society).

542. Bowdoin National Wildlife Refuge, Mont. (all points within a 15-mile diameter circle, center Refuge Headquarters; prairie 60%, plowland 5%, deciduous shelterbelt 5%, frozen marsh 30%).—Dec. 31; 8 a.m. to 4 p.m. Clear; temp. 22° to 31°; wind SW, 2 m.p.h. One observer. Total hours, 8 (3 on foot, 5 by car); total miles, 33 (3 on foot, 30 by car). ► Rough-legged Hawk, 3; Ferruginous Hawk, 1; Ring-necked Pheasant, 272; Great Horned Owl, 2; Red-shafted Flicker, 1; Downy Woodpecker, 1; Horned Lark, 22; Black-billed Magpie, 32; Black-capped Chickadee, 10; House Sparrow, 22. **Total,** 10 species; about 366 individuals.—Baine H. Cater.

543. Bozeman, Mont. (all points within a 15-mile diameter circle, center 4 miles west and 1 mile north of Bozeman, including Gallatin Valley from mouths of Bridger and Hyalite Creeks to Belgrade; cultivated land 65%, range 10%, deciduous forests and thickets 15%, coniferous forest 5%, streams and marsh 3%, urban 2%).—Dec. 26; 8 a.m. to 5 p.m. Overcast, light snow; temp. 26° to 32°; no wind; 1-6-in. snow on ground. Seven observers in 4 parties. Total party-hours, 27 (8 on foot, 19 by car); total party-miles, 177 (12 on foot, 165 by car). ► Mallard, 1570; Common Goldeneye, 1; Goshawk, 1 (good study); Rough-legged Hawk, 14; Marsh Hawk, 2; Prairie Falcon, 1; **Pigeon Hawk, 1** (all field marks); Sparrow Hawk, 1; Sharp-tailed Grouse, 20; Ring-necked Pheasant, 42; Killdeer, 1; Common Snipe, 6; Great Horned Owl, 2; Short-eared Owl, 11; Belted Kingfisher, 4; Red-shafted Flicker, 1; Downy Woodpecker, 1; Horned Lark, 40; Black-billed Magpie, 540; Common Raven, 1; Common Crow, 40; Black-capped Chickadee, 3; Mountain Chickadee, 4; Dipper, 2; Robin, 1; Townsend's Solitaire, 2; Bohemian Waxwing, 372; Northern Shrike, 2; Starling, 132; House Sparrow, 367; Pine Grosbeak, 38; Tree Sparrow, 77; Song Sparrow, 22. **Total,** 33 species; about 3322 individuals.—Clifford V. Davis (compiler), David DeLap, T. B. Holker, Elmo Lott, Lee Matthews, Homer Metcalf, P. D. Skaar.

544. Ennis, Mont. (all points within a 15-mile diameter circle, center SE corner Sect. 12, T5S, R1W, including all areas covered in 1959 except 1 mile strips along N and S Meadow Creeks; altitude 4800-9200 ft.; bottomland pastures and cultivated fields 20%, upland range and wheat fields 20%, coniferous forest and scrub 20%, deciduous forest and scrub 20%, lake, stream, and marsh 20%).—Dec. 21; 7:45 a.m. to 5 p.m. Overcast, intermittent light to constant heavy snow depending on altitude; temp. 20° to 40°; wind W, 0-5 m.p.h.; trace of ground snow ranging to 24-in. powdery snow at highest elev., lake frozen, most streams and many marshy areas open. Twelve observers in 5-8 parties. Total party-hours, 50 (27 on foot, 18 by car, 5 on ski); total party-miles, 215 (44 on foot, 166 by car, 5 on ski). ► Canada Goose, 500; Mallard, 1200; Green-winged Teal, 2; Common Goldeneye, 65; Common Merganser, 10; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 2; Blue Grouse, 1; Sharp-tailed Grouse, 7; Ring-necked Pheasant, 17; Gray Partridge, 15; Killdeer, 2; Common Snipe, 12; Belted Kingfisher, 1; Red-shafted Flicker, 2; Downy Woodpecker, 2; Horned Lark, 55; Gray Jay, 2; Black-billed Magpie, 340; Common Raven, 1; **Piñon Jay, 1** (good study—C.D.); Clark's Nutcracker, 13; Black-capped Chickadee, 60; Mountain Chickadee, 7; Brown Creeper, 1; Dipper, 3; **Long-billed Marsh Wren, 2** (same area as 1958); Townsend's Solitaire, 18; **Golden-crowned Kinglet, 2**; Bohemian Waxwing, 350; Northern Shrike, 2; Starling, 45; House Sparrow, 60; Western Meadowlark, 1; Pine Grosbeak, 7; Gray-crowned Rosy Finch, 90; Common Redpoll, 2; Oregon Junco, 1; Tree Sparrow, 100; Song Sparrow, 30; Lapland Longspur, 20; Snow Bunting, 30. **Total,** 43 species; about 3085 individuals.—Don Bostwick, C. V. Davis, R. G. Dunbar, T. B. Holker, Lee Matthews, Dennis McCarty, Homer Metcalf, Gail Newkirk, J. A. Posewitz, P. D. Skaar (compiler), P. H. Visscher, Dave Wessel.

545. Great Falls, Mont. (all points within a 15-mile diameter circle, center SE corner of Section 3, T20N, R4E, including Great Falls Game Preserve, Rainbow, Cochrane, and Ryan Dams, Gibson Flats; city, suburbs, airbase 15%, river and marsh 5%, badlands 10%, bottoms 4%, juniper 4%, range 30%, cultivated land 32%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Clear; temp. 30° to 40°; wind SW, 20 m.p.h.; ground bare, river frozen above Black Eagle. Four observers in 2 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 114 (7 on foot, 107 by car). ► **Trumpeter Swan, 1** (both parties); Mallard, 1882; Gadwall, 4; Pintail, 3; Am. Widgeon, 7; **Ring-necked Duck, 2** (pair seen well); Canvasback, 1; **Greater Scaup, 1** (both parties close); Lesser Scaup, 5; Common Goldeneye, 2329; Barrow's Goldeneye, 17; Bufflehead, 23; **Oldsquaw, 1** (female seen well); **Ruddy Duck, 1** (drake at 50 ft.); Hooded Merganser, 11; Common Merganser, 76; Rough-legged Hawk, 3; Golden Eagle, 1; Marsh Hawk, 1; Prairie Falcon, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Am. Coot, 33; Killdeer, 4; Red-shafted Flicker, 2; Downy Woodpecker, 2; Horned Lark, 4; Black-billed Magpie, 67; Black-capped Chickadee, 3; Townsend's Solitaire, 1; Bohemian Waxwing, 13; Starling, 20; House Sparrow, 205; Western Meadowlark, 1; Brewer's Blackbird, 1; Evening Grosbeak, 8; Gray-crowned Rosy Finch, 6; Tree Sparrow, 5. **Total,** 38 species; about 4750 individuals. (Seen in area count period, but not on count day: Redhead.)—John Person (compiler), Jeff Walker, Mr. and Mrs. Tom Walker.

546. Helena, Mont. (all points within a 15-mile diameter circle, center in NE ¼ Section 35, R3W, T10N, including Helena, East Helena, Hauser Lake, most of Helena Valley; urban 5%, coniferous forest 25%, water 15%, open fields 45%, deciduous woods 10%).—Dec. 26; 8 a.m. to 5 p.m. Overcast; temp. 25° to 33°; wind SW, 0-4 m.p.h.; ground mostly bare at lower elevations. Six observers in 2 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 70 (5 on foot, 65 by car). ► Canada Goose, 1; **Snow Goose, 1** (staying with domestic geese); Mallard, 25; Lesser Scaup, 1; Common Goldeneye, 7; Rough-legged Hawk, 1; Marsh Hawk, 1; Prairie Falcon, 1; Ring-necked Pheasant, 35; Gray Partridge, 7; Am. Coot, 1; Killdeer, 3; Common Snipe, 8; Red-shafted Flicker, 1; Downy Woodpecker, 1; Black-billed Magpie, 244; Piñon Jay, 151; Clark's Nutcracker, 1; Black-capped Chickadee, 14; Mountain Chickadee, 14; Red-breasted Nuthatch, 3; Dipper, 1; Townsend's Solitaire, 7; Bohemian Waxwing, 163; Northern Shrike, 1; Starling, 28; House Sparrow, 267; Western Meadowlark, 13; Pine Grosbeak, 38; Gray-crowned Rosy Finch, 4; Red Crossbill, 50; Tree Sparrow, 48; Song Sparrow, 1. **Total,** 33 species; about 1142 individuals. (Seen in area count period, but not on count day: Bald Eagle, Great Horned Owl, Hairy Woodpecker, **Robin**, Cedar Waxwing, Common Redpoll.)—C. Beveridge (compiler), Doug Beveridge, John Delano, Neil Martin, Sid Martin, Ron Milledge.

547. Casper, Wyo. (all points within a 15-mile diameter circle, center southwest of Casper as in 1948 and subsequent years; North Platte River Valley from just east of town to Speas Ranch warm springs on west, including adjacent prairies, cliffs, Casper Mountain; altitude 5100-8000 ft.).—Jan. 2; 6 a.m. to 5 p.m. Clear; temp. 15° to 30°; wind SW, 25 m.p.h.; ground bare with drifts on prairies, 36-in. snow on mountain. Twenty-one observers in 6 parties. Total party-hours, 50 (24 on foot, 24 by car, 2 on snow shoe); total party-miles, 232 (24 on foot, 205 by car, 3 on snowshoe). ► Canada Goose, 50; Mallard, 123; Gadwall, 4; Green-winged Teal, 7; Common Goldeneye, 6; Rough-legged Hawk, 3; Ferruginous Hawk, 1; **Golden Eagle, 31**; Bald Eagle, 1; Prairie Falcon, 1; Sparrow Hawk, 1; Gray Partridge, 9; Common Snipe, 23; Great Horned Owl, 5; Belted Kingfisher, 1; Red-shafted Flicker, 17; Hairy Woodpecker, 11; Downy Woodpecker, 3; Horned Lark, 17; Gray Jay, 3; Steller's Jay, 10; Black-billed Magpie, 176; Piñon Jay, 5; Clark's Nutcracker, 12; Black-capped Chickadee, 59; Mountain Chickadee, 85; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 7; Pigmy Nuthatch, 28; Brown Creeper, 4; Robin, 2; Townsend's Solitaire, 3; Golden-crowned Kinglet, 2; Bohemian Waxwing, 206; Northern Shrike, 3; Starling, 83; House Sparrow, 387; Western Meadowlark, 7; Evening Grosbeak, 60; House Finch, 4; Pine Grosbeak, 15; **Gray-crowned Rosy Finch, 341**; Oregon Junco, 38; Tree Sparrow, 62; Song Sparrow, 11. **Total,** 45 species; about 1943 individuals. (Seen in area count period, but not on count day: Sage Grouse, Red Crossbill.)—I. H. Austin, Mrs. J. E. Beal, Alice Bennett, W. H. Berlet, C. R. Berry, Mrs. C. H. Carpenter, R. Claiborne, Mary Dille, Sue Gloriod, Mrs. F. W. Layman, Mr. and Mrs. F. C. Layton, Mrs. C. Leird, Mrs. L. C. Rognstad, Dr. and Mrs. O. K. Scott (compilers), C. K. Scott, H. H. Scott, Anna TeCamp, Mr. and Mrs. J. W. Yunt (Wyoming Audubon Society).

548. Cheyenne, Wyo. (all points within a 15-mile diameter circle, center Cheyenne).—Jan. 1; 8 a.m. to 5 p.m.; temp. 20° to 33°; wind 8-12 m.p.h. Two observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 146 (4 on foot, 142 by car). ► Marsh Hawk, 1; Peregrine Falcon, 1; Ring-necked Pheasant, 2; Red-shafted Flicker, 5; Downy Woodpecker, 4; Horned Lark, 150; Gray Jay, 6; Blue Jay, 2; Black-billed Magpie, 56; Piñon Jay, 2; Black-capped Chickadee, 1; Mountain Chickadee, 153; Red-breasted Nuthatch, 29; Brown Creeper, 1; Robin, 3; Townsend's Solitaire, 8; Bohemian Waxwing, 260; Starling, 97; House Sparrow, 360; Evening Grosbeak, 160; Cassin's Finch, 28; House Finch, 20; Pine Grosbeak, 3; Pine Siskin, 6; Red Crossbill, 12; Slate-colored Junco, 6; Oregon Junco, 156; Harris' Sparrow, 1 [no details—Ed.]. **Total,** 28 species; about 1533 individuals.—Mrs. May Hanesworth (compiler), Robert Hanesworth.

549. Black Forest, Colo. (all points within a 15-mile diameter circle, center 2 miles east of Table Rock, including Black Forest Community, Rattlesnake Butte, Eastonville, Table Rock, headwaters of Kiowa and Cherry Creeks; elevation 6800-7700 ft.; Ponderosa Pine forest 35%, grassland and ranchland 50%, deciduous creekbottoms 10%, habitations 5%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 12° to 35°; wind SE, 0-20 m.p.h.; 0-15-in. snow, ponds frozen, creeks partly frozen. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 90 (10 on foot, 80 by car). ► Golden Eagle, 7; Red-shafted Flicker, 3; Hairy Woodpecker, 5; Horned Lark, 3; Steller's Jay, **48**; Black-billed Magpie, 39; Piñon Jay, **127**; Clark's Nutcracker, **27**; Black-capped Chickadee, 3; Mountain Chickadee, 88; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 5; Pigmy Nuthatch, 270; Brown Creeper, 3; Northern Shrike, 1; Starling, 46; House Sparrow, 8; Cassin's Finch, **230**; Red Crossbill, **260**; White-winged Junco, 39; Oregon Junco, 61; Gray-headed Junco, 3; Tree Sparrow, 1; Song Sparrow, 1. **Total,** 24 species; about 1289 individuals.—Richard G. Beidleman (compiler), Hugh Kingery.

550. Boulder, Colo. (all points within a 15-mile diameter circle, center at northeast corner of Boulder as in previous years).—Jan. 1; 7 a.m. to 5 p.m. Clear; temp. 25° to 38°; wind W to NW, 0-25 m.p.h.; 2-6-in. old snow, except south slopes, most lakes frozen. Eight observers in 4 parties. Total party-hours, 28 (14 on foot, 14 by car); total party-miles, 96 (12 on foot, 84 by car). ► Mallard, 8625; Pintail, 45; Green-winged Teal, 5; Am. Widgeon, 10; Canvasback, 2; Common Goldeneye, 19; **Barrow's Goldeneye, 2** (on ice—O.T., G.W.); Bufflehead,

1; Common Merganser, 21; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Golden Eagle, 1; Marsh Hawk, 4; Prairie Falcon, 1; Ring-necked Pheasant, 37; Chukar, 10; Killdeer, 11; Common Snipe, 5; Herring Gull, 1; Ring-billed Gull, 2; Barn Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 59; Lewis' Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 1; Blue Jay, 1; Steller's Jay, 91; **Scrub Jay, 1** (R.H., T.W., W.W.); Black-billed Magpie, 206; Common Crow, **2088**; Clark's Nutcracker, 1; Black-capped Chickadee, 40; Mountain Chickadee, 43; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 4; Pigmy Nuthatch, 38; Brown Creeper, 7; Dipper, 2; Robin, 26; Townsend's Solitaire, 8; Ruby-crowned Kinglet, 1; Bohemian Waxwing, 32; Northern Shrike, 1; Starling, 422; House Sparrow, 220; Western Meadowlark, **527**; Redwinged Blackbird, 80; Brewer's Blackbird, 3; Evening Grosbeak, 5; Cassin's Finch, 57; House Finch, 125; Pine Grosbeak, 3; **Gray-crowned Rosy Finch, 40** (10 ft.—D.V.H., M.V.H.); Pine Siskin, 1; Am. Goldfinch, 2; Red Crossbill, 1; **Vesper Sparrow, 2** (D.V.H., M.V.H.); Slate-colored Junco, 11; Oregon Junco, 188 (2 races); Gray-headed Junco, 7; Tree Sparrow, 212; White-crowned Sparrow, 50; Song Sparrow, 16. **Total,** 66 species (1 additional race); about 13,443 individuals. —Richard C. Hopkins, Oakleigh Thorne II (compiler), Donald H. Van Horn, Margaret Van Horn, Thomas D. Waugh, George H. Weber, William A. Weber, Olwen Williams (University of Colorado and Thorne Ecological Research Station).

551. Colorado Springs, Colo. (all points within a 15-mile diameter circle, center at junction of U. S. 85-87 and Harrison Ave. as in previous years).—Dec. 26; 7:30 a.m. to 5 p.m. Cloudy a.m., clear to cloudy p.m.; temp. 20° to 40°; wind SE to N, 0-5 m.p.h.; snow on ground at higher elevations, only old drifts lower, streams open, ponds mostly frozen. Twenty-nine observers in 11 parties. Total party-hours, 64 (48 on foot, 16 by car); total party-miles, 334 (42 on foot, 292 by car). ► Great Blue Heron, 5; Mallard, **1164** (twice previous high); Green-winged Teal, 37; Blue-winged Teal, 4; Am. Widgeon, 18; Shoveler, 8; Redhead, 5; Canvasback, 2; Common Goldeneye, 7; Common Merganser, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 8; Ferruginous Hawk, 1; Golden Eagle, 6; Marsh Hawk, 3; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 9; Scaled Quail, 27; Killdeer, 13; Common Snipe, 15; Great Horned Owl, 3; Belted Kingfisher, 3; Red-shafted Flicker, 50 (1 hybrid); Lewis' Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 11; Horned Lark, 60; Steller's Jay, 294; Scrub Jay, 121; Black-billed Magpie, 521; Common Raven, 1; Common Crow, 338; Piñon Jay, 1; Clark's Nutcracker, 1; Black-capped Chickadee, 86; Mountain Chickadee, 100; Common Bushtit, 21; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 9; Pigmy Nuthatch, 72; Brown Creeper, 16; Dipper, 2; Robin, 4; Townsend's Solitaire, 25; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Bohemian Waxwing, 25; Northern Shrike, 2; Loggerhead Shrike, 1; Starling, **828**; House Sparrow, 316; Western Meadowlark, 145; Redwinged Blackbird, **2050**; Brewer's Blackbird, **501**; Evening Grosbeak, 46; Cassin's Finch, 202; House Finch, 312; **Common Redpoll, 23**; Pine Siskin, 101; Am. Goldfinch, 6; **Lesser Goldfinch, 2**; **Red Crossbill, 10** (present 2 months); Rufous-sided Towhee, 6; Brown Towhee, 1; Vesper Sparrow, 2; White-winged Junco, 8; Slate-colored Junco, 27; Oregon Junco, 563 (Pink-sided 208, Montana 1); Gray-headed Junco, 231; Tree Sparrow, 338; White-crowned Sparrow, 6; Song Sparrow, 73. **Total,** 74 species (2 additional races); about 8950 individuals. (Seen in area count period, but not on count day: Ring-necked Pheasant, Pine Grosbeak, Gray-crowned Rosy Finch.)—Mrs. T. L. Adams, Richard G. Beidleman, Mrs. G. L. Catlett, Stanley Davis, Mrs. K. E. Ewing, Mrs. L. B. Field, H. C. Fischer, D. W. Galvin, Mr. and Mrs. R. R. Larkey, Mrs. Dickson Leavens, D. L. Malick, Dorothy Mierow, Mrs. N. J. Miller, Mr. and Mrs. Paul Nesbit, Mrs. W. E. Noble, Mrs. Frank Sample (compiler), George Sinton, Mahlon Speers, Mr. and Mrs. J. B. Stabler, Robert M. Stabler, Mrs. M. M. Thurlow, James Turner, Mrs. E. Van Sickle, Mr. and Mrs. H. J. Weberbauer, Mrs. A. D. Williams (Aiken Ornithological Society).

552. Durango, Colo. (all points within a 15-mile diameter circle, center 4½ miles southeast of Durango on Florida Mesa as in 1949 and subsequent years). —Dec. 31; 8 a.m. to 5 p.m. Heavy fog a.m., clear; temp. 7° to 31°; no wind; 2-10 in. snow, streams open, ponds frozen. Five observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 70 (3 on foot, 67 by car). ► Great Blue Heron, 1; **Snow Goose, 1** (seen well); Mallard, 61; Common Goldeneye, 19; Common Merganser, 5; Red-tailed Hawk, 2; hawk (sp.), 2; Golden Eagle, 3; Bald Eagle, 5; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 1; Killdeer, 3; Common Snipe, 3; Belted Kingfisher, 7; Red-shafted Flicker, 3; Lewis' Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 114; Steller's Jay, 4; Scrub Jay, 23; Black-billed Magpie, 140; Common Raven, 3; Common Crow, 10; Mountain Chickadee, 3; Dipper, 12; **Sage Thrasher, 1** (all field marks at close range); Robin, 1; Townsend's Solitaire, 1; Loggerhead Shrike, 1; Starling, 18; House Sparrow, 116; Redwinged Blackbird, 5; Oregon Junco, 318 (6 Pink-sided); Gray-headed Junco, 10; White-crowned Sparrow, 1; Song Sparrow, 2. **Total,** 37 species (1 additional race); about 906 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk.)—Eunice Frizell, Nancy Frizell, Sue Ann Frizell, Thomas J. Frizell, Oppie Reames (compiler).

553. Fort Collins, Colo. (all points within a 15-mile diameter circle, center 4½ miles NNW of town as in 1948 and subsequent years).—Dec. 23; 6 a.m. to 5 p.m. Sunny; temp. 28° to 40°; wind N, 0-5 m.p.h.; little snow on ground. Four observers in 3 parties. Total party-hours, 22 (7 on foot, 15 by car); total party-miles, 199 (11 on foot, 188 by car). ► Canada Goose, **770**; Mallard, 3207; Gadwall, 4; Pintail, 4; Green-winged Teal, 5; Am. Widgeon, 33;

Lesser Scaup, 2; Common Goldeneye, 27; Common Merganser, 79; Red-tailed Hawk, 1; Rough-legged Hawk, 7; Bald Eagle, 3; Marsh Hawk, 13; Sparrow Hawk, 6; Scaled Quail, 23 (introduced); California Quail, 30 (introduced); Ring-necked Pheasant, 62; Chukar, 14 (introduced); Red-legged Partridge, 1 (introduced); Killdeer, 33; Common Snipe, **72**; Herring Gull, 2; Great Horned Owl, 2; Short-eared Owl, 4; Belted Kingfisher, 3; Red-shafted Flicker, 45; Lewis' Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 220; Blue Jay, 8; Steller's Jay, 7; Black-billed Magpie, 76; Common Crow, 2; Black-capped Chickadee, 30; Mountain Chickadee, 34; Brown Creeper, 7; Dipper, 5; Cañon Wren, 1; Townsend's Solitaire, 2; Golden-crowned Kinglet, 3; Bohemian Waxwing, 156; Northern Shrike, 2; Starling, 218; House Sparrow, 149; Western Meadowlark, 23; Redwinged Blackbird, 43; Evening Grosbeak, 92; Cassin's Finch, 34; House Finch, 50; Pine Grosbeak, 13; Pine Siskin, 36; Am. Goldfinch, 3; Red Crossbill, 9; White-winged Junco, 1; Slate-colored Junco, 5; Oregon Junco, 134; Gray-headed Junco, 1; Tree Sparrow, 161; White-crowned Sparrow, 122; Song Sparrow, 11. **Total,** 61 species; about 6116 individuals. (Seen in area count period, but not on count day: Robin.)—Sheila K. Brewer, John R. Douglass, Margaret M. Douglass (compiler), Ronald A. Ryder.

554. Grand Junction, Colo. (all points within a 15-mile diameter circle, center same as in other years). —Jan. 2; 8 a.m. to 5 p.m. Cloudy, clearing by noon; temp. 14° to 35°; wind E to SE, 9 m.p.h.; no snow, ice in river. Eight observers in 3 parties. Total party-hours, 19 (6 on foot, 13 by car); total party-miles, 63 (8 on foot, 55 by car). ► Great Blue Heron, 1; Mallard, 154; Red-tailed Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 8; Gambel's Quail, 25; Ring-necked Pheasant, 8; Red-shafted Flicker, 22; Lewis' Woodpecker, 1; Blue Jay, 1; Scrub Jay, 2; Black-billed Magpie, 28; Common Crow, 2; Black-capped Chickadee, 6; Mountain Chickadee, 3; Brown Creeper, 4; Bewick's Wren, 2; Mockingbird, 1; Robin, 41; Mountain Bluebird, 7; Ruby-crowned Kinglet, 10; Northern Shrike, 2; Loggerhead Shrike, 1; Starling, 278; Audubon's Warbler, 28; House Sparrow, 110; Western Meadowlark, 47; Redwinged Blackbird, 979; Rusty Blackbird, 4; Evening Grosbeak, 4; House Finch, 5; Pine Siskin, 23; Am. Goldfinch, 39; Slate-colored Junco, 4; Oregon Junco, 23; Gray-headed Junco, 39; White-crowned Sparrow, 42; Song Sparrow, 7. **Total,** 38 species; about 1967 individuals.—Mrs. John Allen, Mrs. F. S. Carman (compiler), Mary Coleman, Mrs. Lucy Ela, Mrs. Lorna Gustafson, Mr. and Mrs. George Hooker, Mrs. John Shaw.

555. Idaho Springs, Colo. (all points within a 15-mile diameter circle, center near junction of U. S. 6 and 40 west of Idaho Springs as in last 9 years).—Jan. 2; 7:15 a.m. to 4:15 p.m. Clear; temp. −12° to 20°; wind W, 0-35 m.p.h.; streams 5% open, 2-ft. snow on ground. Thirteen observers in 4 parties. Total party-hours, 31 (11 on foot, 20 by car); total party-miles, 223 (11 on foot, 212 by car). ► Golden Eagle, 1; Northern Three-toed Woodpecker, 1; Gray Jay, **17**; Steller's Jay, 79; Black-billed Magpie, 50; Common Raven, 10; Clark's Nutcracker, **51**; Black-capped Chickadee, 13; Mountain Chickadee, 111; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 4; Pigmy Nuthatch, 4; Brown Creeper, 7; Dipper, 6; Robin, 1; Townsend's Solitaire, 29; Golden-crowned Kinglet, 4; Bohemian Waxwing, 220; Northern Shrike, 1; **Starling, 12**; House Sparrow, 77; **Rusty Blackbird, 1**; Evening Grosbeak, 25; Cassin's Finch, 20; **House Finch, 4** (Morrison party); Pine Grosbeak, 24; Gray-crowned Rosy Finch, 32 (2 races); Black Rosy Finch, 1; Brown-capped Rosy Finch, 2; Slate-colored Junco, 12; Oregon Junco, 37 (2 races); Gray-headed Junco, 5. **Total,** 32 species (2 additional races); about 844 individuals.—Mr. and Mrs. Joe Borden, Dennis Carter, John L. Chapin (compiler), Lawrence Davis, Netta Hendricks, Harold Holt, Phyllis McRae, Sadie Morrison, Mary Louise and Candace Rosegay, Donald M. Thatcher, Lois Webster.

556. Jefferson County, Colo. (all points within a 15-mile diameter circle, center as in previous years). —Dec. 26; 7 a.m. to 4:45 p.m.; temp. 25° to 40°; wind W, 0-5 m.p.h. Twenty-six observers in 9 parties. Total party-hours, 78 (50 on foot, 28 by car); total party-miles, 350 (49 on foot, 301 by car). ► **Whistling Swan, 1** (on ice and swimming); Canada Goose, 805; Mallard, 422; Gadwall, 8; Pintail, 30; Green-winged Teal, 35; Am. Widgeon, 60; Shoveler, 2; Redhead, 2; Ring-necked Duck, 30; Lesser Scaup, 1; Common Goldeneye, 24; Hooded Merganser, 1; Common Merganser, 104; Red-breasted Merganser, 1; Red-tailed Hawk, 9; Rough-legged Hawk, 4; Golden Eagle, 3; Marsh Hawk, 5; Prairie Falcon, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 72; Am. Coot, 30; Killdeer, 25; Common Snipe, 11; Herring Gull, 1; Ring-billed Gull, 6; Great Horned Owl, 7; Short-eared Owl, 1; Belted Kingfisher, 8; Red-shafted Flicker, 44; Hairy Woodpecker, 5; Downy Woodpecker, 17 (1 Eastern); Horned Lark, 1; Steller's Jay, 72; Scrub Jay, 36; Black-billed Magpie, **506**; Common Crow, 265; Black-capped Chickadee, 163; Mountain Chickadee, 75; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 3; Pigmy Nuthatch, 17; Brown Creeper, 12; Dipper, 9; Cañon Wren, 4; Robin, 17; Townsend's Solitaire, 77; Golden-crowned Kinglet, 12; **Ruby-crowned Kinglet, 1** (D.T.); Northern Shrike, 3; Starling, 247; House Sparrow, 208; Western Meadowlark, 57; Redwinged Blackbird, 285; Brewer's Blackbird, 1; Evening Grosbeak, 27; Cassin's Finch, **351** (lowland invasion); House Finch, 68; Gray-crowned Rosy Finch, 14; Pine Siskin, 2; Am. Goldfinch, 7; Lesser Goldfinch, 4; Red Crossbill, 16; Rufous-sided Towhee, 4; White-winged Junco, 26; Slate-colored Junco, 62; Oregon Junco, 780 (2 races); Gray-headed Junco, 61; Tree Sparrow, 42; Harris' Sparrow, 2; White-crowned Sparrow, 61; Swamp Sparrow, 1; Song Sparrow, 55. **Total,** 74 species (2 additional races); about 5434 individuals. (Seen in area count period, but not on count day: Bohemian Waxwing.)—Lawrence and Catherine Bonner, Dennis L. Carter, John L. Chapin (compiler), Lawrence Davis, Ted and Ruth DeMent, Tony Gaskill, Robert Glover, Harold and Evelyn Holt, Netta

Hendricks, Edwin L. Licht, Thompson and Lucy Marsh, Donald McLean, Phyllis McRae, Sadie Morrison, Mary Robinson, Charles and Mildred Snyder, Donald and Donna Thatcher, Parnell and Jean White, Howard Wilson.

557. Longmont, Colo. (all points within a 15-mile diameter circle, center 1 mile north of airport). —Dec. 26; 7 a.m. to 5 p.m. Cloudy to clear; temp. 24° to 30°; wind SE, 0-5 m.p.h.; ground bare, streams and lakes partly open. Fifteen observers in 6 parties. Total party-hours, 46 (16 on foot, 30 by car); total party-miles, 308 (22 on foot, 286 by car). ► Great Blue Heron, 1; Canada Goose, 53; Mallard, 15,042; Pintail, 16; Green-winged Teal, 3; Redhead, 2; Common Goldeneye, 20; Bufflehead, 3; Common Merganser, 10; Red-tailed Hawk, **12**; Rough-legged Hawk, **26**; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 8; Prairie Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 17; Ring-necked Pheasant, 135; Killdeer, 44; Common Snipe, 23; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 25; Screech Owl, 1; Great Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 9; Red-shafted Flicker, 147; Lewis' Woodpecker, 16; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 62; Blue Jay, 7; Steller's Jay, **120**; Scrub Jay, 10; Black-billed Magpie, 403; Common Crow, 135; **Piñon Jay, 150** (J.A. party); Black-capped Chickadee, **87**; Mountain Chickadee, 10; White-breasted Nuthatch, 1; Brown Creeper, 4; Dipper, 4; Robin, 4; Townsend's Solitaire, 2; Bohemian Waxwing, 15; Northern Shrike, 1; Loggerhead Shrike, 2; Starling, 2195; House Sparrow, 369; Western Meadowlark, 509; Redwinged Blackbird, 3849; Brewer's Blackbird, 41; **Common Grackle, 1** (Mrs. J.T. party); Evening Grosbeak, 16; Cassin's Finch, **130**; House Finch, 250; Pine Siskin, 2; Am. Goldfinch, 159; Rufous-sided Towhee, 2; **Savannah Sparrow, 2**; Slate-colored Junco, 35; Oregon Junco, 475; Gray-headed Junco, 7; Tree Sparrow, 830; Harris' Sparrow, 3; White-crowned Sparrow, 92; Song Sparrow, 16. **Total,** 68 species; about 25,633 individuals. (Seen in area count period, but not on count day: Shoveler, **Yellow-bellied Sapsucker**, **Yellow-headed Blackbird**.) [Blue-winged Teal, 3; Turkey Vulture, 1; Swainson's Hawk, 2; California Gull, 1; Chipping Sparrow, 2 submitted without careful details from observers removed from list—Ed.]—Jay H. Arnold, Verlie Beeler, Mrs. Earle Brown, Mrs. Carl N. Collister (compiler), Mr. and Mrs. Harold Dunning, Hugh E. Kingery, Mrs. Edith Myers, Mrs. Erma Neill, Mrs. John Thielen, Mr. and Mrs. Walker Schoning, Gwen Smith, Mrs. Lucie Smith, Mrs. Iva Wilson.

558. Loveland, Colo. (all points within a 15-mile diameter circle, center on bridge over Big Thompson River on U. S. 34 as in 1955 and subsequent years).—Dec. 24; 7 a.m. to 5 p.m. Sunny; temp. 20° to 50°; wind NW, 0-10 m.p.h.; ground partly snow-covered, a few large bodies of water open. Two observers in 1 party. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 96 (3 on foot, 93 by car). ► Canada Goose, 118; Mallard, 21,700; Gadwall, 6; Pintail, 40; Green-winged Teal, 6; Am. Widgeon, 2; Common Goldeneye, 16; **White-winged Scoter, 1** (excellent view); Common Merganser, 28; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 2; Killdeer, 7; Common Snipe, 5; Herring Gull, 40; Ring-billed Gull, 2; Belted Kingfisher, 1; Red-shafted Flicker, 4; Lewis' Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Steller's Jay, 6; Black-billed Magpie, 63; Common Crow, 1; Black-capped Chickadee, 22; Mountain Chickadee, 15; Red-breasted Nuthatch, 2; Pigmy Nuthatch, 10; Brown Creeper, 7; Dipper, 10; **Mockingbird, 1** (all field marks); Robin, 1; Townsend's Solitaire, 1; Bohemian Waxwing, 60; Northern Shrike, 1; Starling, 214; House Sparrow, too numerous to count [I doubt it—Ed.]; Western Meadowlark, 18; Redwinged Blackbird, 7; **Brewer's Blackbird, 67** (3 flocks); Cassin's Finch, 11; House Finch, 6; Am. Goldfinch, 6; Slate-colored Junco, 1; Oregon Junco, 54; Gray-headed Junco, 1; Tree Sparrow, 23; White-crowned Sparrow, 5; Song Sparrow, 6. **Total,** 52 species; over 22,608 individuals. (Seen in area count period, but not on count day: Shoveler, Horned Lark.)—John R. Douglass, Margaret M. Douglass (compiler).

559. Monte Vista, Colo. (all points within a 15-mile diameter circle, center Monte Vista National Wildlife Refuge, south to Flucky Springs, east to McIntyre Springs, north thru Alamosa to Saquachie). —Dec. 28; 7 a.m. to 5 p.m. Light snow a.m., cloudy; temp. 20° to 25°; no wind. One observer. Total hours, 9; total miles, 224 (1 on foot, 223 by car). ► Pied-billed Grebe, 2; Canada Goose, 171; Mallard, 68,000; Gadwall, 10; Pintail, 1800; Green-winged Teal, 200; Am. Widgeon, 10; Redhead, 20; Canvasback, 2; Lesser Scaup, 50; Red-tailed Hawk, 4; Rough-legged Hawk, 30; Golden Eagle, 6; Bald Eagle, 5; Marsh Hawk, 37; Prairie Falcon, 2; Peregrine Falcon, 5; Sparrow Hawk, 2; Ring-necked Pheasant, 1200; Killdeer, 5; Common Snipe, 29; Mourning Dove, 2; Great Horned Owl, 4; Short-eared Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 7; Horned Lark, 2500; Black-billed Magpie, 950; Common Crow, 67; Black-capped Chickadee, 2; Robin, 5; Loggerhead Shrike, 3; Starling, 37; House Sparrow, 1150; Eastern Meadowlark, 23; Redwinged Blackbird, 25; Brewer's Blackbird, 1100; Oregon Junco, 35; Tree Sparrow, 24; Song Sparrow, 100. **Total,** 40 species; about 77,627 individuals. [Sandhill Crane, 1; Swainson's Hawk, 3; Gyrfalcon, 1; Short-billed Marsh Wren, 10; Lark Bunting, 17; Sage Sparrow, 15 submitted with no details, none underlined as unusual, removed from list—Ed.]—Charles R. Bryant.

560. Rocky Mountain National Park, Colo. (all points within a 15-mile diameter circle, center 1 mile west of Estes Park Village on Highway 34; elevation 7500-10,800 ft.; grassland 15%, evergreen forest 60%, aspen 5%, creekbottoms and lakes 15%, town and built-up areas 5%).—Dec. 21; 6:30 a.m. to 4:45 p.m. Partly cloudy; temp. 10° to 40°; wind NW, 10-70 m.p.h.; snow on ground, Lake Estes open. Six observers in 3 parties. Total party-hours, 21 (12 on foot, 9 by car); total party-miles, 135 (15 on

foot, 120 by car). ► Mallard, 1; Am. Widgeon, 1; Lesser Scaup, 1; Common Goldeneye, 111; **Barrow's Goldeneye, 2** (present since Dec. 10); Bufflehead, 2; **Oldsquaw, 1** (studied repeatedly since Dec. 10); Common Merganser, 8; Belted Kingfisher, 1; Hairy Woodpecker, 4; Downy Woodpecker, 2; Steller's Jay, 42; Black-billed Magpie, 21; Common Raven, 6; Clark's Nutcracker, 29; Black-capped Chickadee, 5; Mountain Chickadee, 106; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 8; Pigmy Nuthatch, 165; Brown Creeper, 1; Dipper, 33; Townsend's Solitaire, 3; Northern Shrike, 2; House Sparrow, 2; **Evening Grosbeak, 30**; Cassin's Finch, 19; Gray-crowned Rosy Finch, 148; Black Rosy Finch, 1; Brown-capped Rosy Finch, 27; Red Crossbill, 47; White-winged Junco, 2; Oregon Junco, 2. **Total,** 33 species; about 837 individuals. (Seen in area count period, but not on count day: Gray Jay, Cañon Wren.)—Lee Croissant, John R. Douglass, Margaret M. Douglass (compiler), Chester O. Harris, Ronald A. Ryder, Chuck Stone.

561. Weldona, Colo. (all points within a 15-mile diameter circle, center in middle of Sect. 3, T4N, R58W in Morgan County, including Rollin Ranch, Fort Morgan, Bijou Reservoir, Muir Springs; river-bottom 36%, open country 32%, residential 20%, farmyards and brushy areas along roads 12%).—Dec. 21; 7 a.m. to 4:45 p.m. Cloudy; temp. 15° to 30°; wind NW, 0-5 m.p.h.; ground bare, river open. Thirteen observers in 3 parties. Total party-hours, 25 (18 on foot, 7 by car); total party-miles, 118 (22 on foot, 96 by car). ► Canada Goose, 48; Mallard, 88; Green-winged Teal, 35; Am. Widgeon, 6; Cooper's Hawk, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 11; Golden Eagle, 3; Marsh Hawk, 7; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 19; Killdeer, 6; Common Snipe, 5; Herring Gull, 6; Great Horned Owl, 7; Short-eared Owl, 2; Belted Kingfisher, 7; **Yellow-shafted Flicker, 1** (D.C., H.H.); Red-shafted Flicker, 27; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 520; Blue Jay, 10; Black-billed Magpie, 114; Black-capped Chickadee, 23; Mountain Chickadee, 2; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 14; Townsend's Solitaire, 2; **Bohemian Waxwing, 30** (all field marks); **Cedar Waxwing, 2** (carefully identified); Northern Shrike, 3; Starling, 188; House Sparrow, 520; Western Meadowlark, 135; Redwinged Blackbird, 2202; Brewer's Blackbird, 4; **Evening Grosbeak, 9**; House Finch, 2; Pine Siskin, 7; Am. Goldfinch, 48; White-winged Junco, 1; Slate-colored Junco, 19; Oregon Junco, 149; Tree Sparrow, 372; White-crowned Sparrow, 22; Song Sparrow, 23. **Total,** 50 species; about 4719 individuals. (Seen in area count period, but not on count day: Lapland Longspur.)—Lawrence and Catherine Bonner, Dennis L. Carter (compiler), Irving Greenbaum, Mrs. C. W. Hansen, Harold and Evelyn Holt, Estella McCutcheon, Howard Rollin, Charles and Mildred Snyder, Donald M. Thatcher, Donna Thatcher (Colorado Bird Club).

562. Carlsbad Caverns National Park, N. Mex. (all points within a 15-mile diameter circle, center Park Headquarters, including Walnut Canyon, Oak and Rattlesnake Springs, Washington Ranch; upper Sonoran desert shrub 60%, lower Sonoran desert shrub 32%, irrigated farmland 8%).—Jan. 2; 7 a.m. to 5 p.m.; temp. 21° to 35°; wind E, 3-5 m.p.h. Two observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 50 (3 on foot, 47 by car). ► Pied-billed Grebe, 1; Red-tailed Hawk, 2; Golden Eagle, 3; Marsh Hawk, 4; Sparrow Hawk, 2; Scaled Quail, 12; Ring-necked Pheasant, 1; Am. Coot, 1; Killdeer, 1; Common Snipe, 2; Mourning Dove, 39; White-throated Swift, 15; Belted Kingfisher, 1; Red-shafted Flicker, 10; Ladder-backed Woodpecker, 4; Say's Phoebe, 2; Horned Lark, 11; Scrub Jay, 7; Verdin, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 1; Rock Wren, 8; Mockingbird, 1; Brown Thrasher, 1; Curve-billed Thrasher, 1; Crissal Thrasher, 1; Robin, 2; Hermit Thrush, 1; Townsend's Solitaire, 11; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 5; Starling, 14; Audubon's Warbler, 1; House Sparrow, 25; Western Meadowlark, 37; Redwinged Blackbird, 425; Brewer's Blackbird, 201; Pyrrhuloxia, 11; House Finch, 16; Pine Siskin, 5; Am. Goldfinch, 6; Rufous-sided Towhee, 5; Brown Towhee, 12; Lark Bunting, 1; Rufous-crowned Sparrow, 2; Black-throated Sparrow, 8; Slate-colored Junco, 1; Oregon Junco, 15; Gray-headed Junco, 1; White-crowned Sparrow, 168; Lincoln's Sparrow, 1; Song Sparrow, 6; Chestnut-collared Longspur, 35. **Total,** 53 species; about 1151 individuals. (Seen in area count period, but not on count day: Mallard, Green-winged Teal, Lesser Scaup, Ring-necked Duck, Bufflehead, Eastern Phoebe.)—Ken Baker, Bruce Harris (compiler).

563. Clayton, N. Mex. (all points within a 15-mile diameter circle, center 6 miles NW of Clayton; elevation 5200 ft.; includes Perico and Rabbit Ear Creeks, Clayton Lake Refuge, Clayton; town 1%, farming 1%, open prairie 18%, cottonwood-lined creeks and cedar slopes of canyon walls 50%, lake and surrounding refuge 30%).—Dec. 26; 8 a.m. to 5:30 p.m. Clear; temp. 45° to 30°; wind SW, 9 m.p.h.; melting snow made some areas inaccessible by car. Five observers in 2 parties. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 64 (9 on foot, 55 by car). ► Mallard, 17; Pintail, 4; Redhead, 10; Lesser Scaup, 12; Common Goldeneye, 12; Bufflehead, 2; Common Merganser, 2; Red-tailed Hawk, 1; Swainson's Hawk, 1; Golden Eagle, 2; Prairie Falcon, 2; Sparrow Hawk, 6; Bobwhite, 5; Scaled Quail, 235; Am. Coot, 8; Killdeer, 2; Common Snipe, 2; Roadrunner, 1; Great Horned Owl, 4; Belted Kingfisher, 1; Red-shafted Flicker, 11; Downy Woodpecker, 1; Ladder-backed Woodpecker, 1; Horned Lark, 278; Scrub Jay, 8; Black-billed Magpie, 49; Common Raven, 1; Brown Creeper, 1; Bewick's Wren, 1; Cañon Wren, 1; Townsend's Solitaire, 2; Loggerhead Shrike, 6; Starling, 178; House Sparrow, 350; Western Meadowlark, 25; Redwinged Blackbird, 12; Cassin's Finch, 2; House Finch, 10; **Common Redpoll, 3**; Am. Goldfinch, 10; Brown Towhee, 3; Oregon Junco, 99 (Pink-sided, 76); Tree Sparrow, 155; Song Sparrow, 5. **Total,** 44 species (1 additional race); about 1541 individuals. (Seen in area count period,

but not on count day: Robin, Slate-colored Junco.)—W. W. Cook, Doitchin Doitchinoff, Adolf J. Krehbiel (compiler), Lee Rohovec, Paul W. Snoeberger.

564. Espanola, N. Mex. (all points within a 15-mile diameter circle, center Espanola bridge, including pueblos of San Juan, Santa Clara, San Ildefonso, towns of Pojoaque, Chamita, Chimayo, Alcalde; riverbottoms 50%, orchards and fields 25%, conifer mesa 5%, open prairie 10%, canyons 10%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 15° to 50°; wind E, 0-10 m.p.h.; ground largely snow-covered, river open, ponds frozen. Fourteen observers in 7 parties. Total party-hours, 54 (34 on foot, 20 by car); total party-miles, 286 (27 on foot, 259 by car). ► Great Blue Heron, 2; Mallard, 12; Green-winged Teal, 6; Common Merganser, 2; Sharp-shinned Hawk, **10**; Cooper's Hawk, 3; Red-tailed Hawk, 10; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 11; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 19; Scaled Quail, 35; Gambel's Quail, 20; Ring-necked Pheasant, 2; **Sora, 2** (good study at 25 ft.—Travis); Am. Coot, 3; Killdeer, 27; Common Snipe, 5; Mourning Dove, 32; Great Horned Owl, 3; Belted Kingfisher, 9; Red-shafted Flicker, **316**; Lewis' Woodpecker, 40; Hairy Woodpecker, 8; Downy Woodpecker, 14; Horned Lark, 2; Scrub Jay, 61; Black-billed Magpie, 228; Common Raven, 72; Common Crow, 261; Piñon Jay, 102; Black-capped Chickadee, 70; Mountain Chickadee, 24; Plain Titmouse, 2; White-breasted Nuthatch, 3; Pigmy Nuthatch, 12; Brown Creeper, 3; **Dipper, 2**; Long-billed Marsh Wren, 1; Robin, 262; Hermit Thrush, 1; Western Bluebird, 77; Mountain Bluebird, 471; Townsend's Solitaire, 39; Ruby-crowned Kinglet, 2; Water Pipit, 2; Loggerhead Shrike, 7; Starling, 304; Audubon's Warbler, 5; House Sparrow, 394; Western Meadowlark, 52; Redwinged Blackbird, 51; Brewer's Blackbird, 8; Evening Grosbeak, 254; Cassin's Finch, **248**; House Finch, 764; Pine Siskin, 91; Am. Goldfinch, 93; Lesser Goldfinch, 1; Rufous-sided Towhee, 25; Brown Towhee, 22; Slate-colored Junco, 1; Oregon Junco, 1811 (Pink-sided, 166); Gray-headed Junco, 395; Tree Sparrow, 7; Chipping Sparrow, 1; White-crowned Sparrow, 214; **White-throated Sparrow, 3** (adults); Song Sparrow, 213. **Total,** 71 species (1 additional race); about 7258 individuals. (Seen in area count period, but not on count day: Rough-legged Hawk, Common Goldeneye.)—Carl W. Bjorklund, Marilyn Bjorklund, Don T. Cromer, Marge Cromer, Roy Cromer, Walter Goad, Katherine Harper, W. Burton Lewis (compiler), John Savage, James Travis, Marylou Travis, Betty Wiard, Leon Wiard, John V. Young.

565. Las Vegas, N. Mex. (all points within a 15-mile diameter circle, center Sixth and Douglas as in previous years).—Dec. 31; 7 a.m. to 5:15 p.m.; temp. 18° to 42°; wind 0-5 m.p.h. Two observers in 1 party. Total party-hours, 10¼; total party-miles, 43 (9 on foot, 34 by car). ► **Great Blue Heron, 1**; Canada Goose, 150; Mallard, 230; Gadwall, 2; Pintail, 2; Green-winged Teal, 117; Am. Widgeon, 6; Shoveler, 25; Redhead, 11; Common Goldeneye, 14; Bufflehead, 6; **Goshawk, 1** (2 or 3 every winter); Cooper's Hawk, 2; Red-tailed Hawk, 4; Bald Eagle, 6; Marsh Hawk, 7; Pigeon Hawk, 1; Sparrow Hawk, 13; Am. Coot, 200; Killdeer, 21; Common Snipe, 84; **Short-eared Owl, 1** (good study); Belted Kingfisher, 9; Red-shafted Flicker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 2; Horned Lark, 17; Steller's Jay, 8; Scrub Jay, 2; Black-billed Magpie, 515; Common Raven, 219; Mountain Chickadee, 3; Black-capped Chickadee, 13; Plain Titmouse, 1; Pigmy Nuthatch, 14; Mountain Bluebird, 2; Starling, 256; House Sparrow, 300; Western Meadowlark, 57; Red-winged Blackbird, 2000; Brewer's Blackbird, 50; Brown-headed Cowbird, 1; Cassin's Finch, **137**; Pine Siskin, 240; Am. Goldfinch, 6; Rufous-sided Towhee, 1; Brown Towhee, 1; Oregon Junco, 944 (187 Pink-sided); Gray-headed Junco, 1258; Tree Sparrow, 5; Song Sparrow, 21. **Total,** 51 species (1 additional race); about 6999 individuals.—John Gavahan, Elmer Schooley (compiler).

566. Roswell, N. Mex. (all points within a 15-mile diameter circle, center at Hondo bridge, East College, including Roswell, Bitter Lakes Refuge; prairie 64%, irrigated farms 28%, city 4%, riverbottom 2%, lakes and ponds 2%).—Dec. 31; 6:30 a.m. to 5 p.m. Clear; temp. 36° to 52°; wind variable, 8 m.p.h. Five observers in 3 parties. Total party-hours, 52 (8 on foot, 44 by car); total party-miles, 257 (11 on foot, 246 by car). ► Pied-billed Grebe, 8; Double-crested Cormorant, 6; Great Blue Heron, 9; Common Egret, 2; Black-crowned Night Heron, 10; Am. Bittern, 8; Canada Goose, 279; Snow Goose, 18; Mallard, 12,867; Gadwall, 82; Pintail, 10,442; Green-winged Teal, 12; Am. Widgeon, 9424; Shoveler, 236; Redhead, 256; Ring-necked Duck, 185; Canvasback, 900; Lesser Scaup, 321; Common Goldeneye, 46; Bufflehead, 97; Ruddy Duck, 458; Hooded Merganser, 2; Common Merganser, 75; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 8; Rough-legged Hawk, 3; Marsh Hawk, 14; Osprey, 1; Prairie Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 13; Scaled Quail, 50; Ring-necked Pheasant, 5; Sandhill Crane, 4596; Am. Coot, 11,822; Killdeer, 3; Common Snipe, 4; Greater Yellowlegs, 1; peeps (sp.), 2; Herring Gull, 2; Ring-billed Gull, 60; Mourning Dove, 4; Roadrunner, 3; Great Horned Owl, 1; Burrowing Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 37; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 3; Say's Phoebe, 2; Horned Lark, 1300; Scrub Jay, 2; Mountain Chickadee, 4; White-breasted Nuthatch, 1; Long-billed Marsh Wren, 8; Mockingbird, 2; Ruby-crowned Kinglet, 3; Water Pipit, 17; Loggerhead Shrike, 19; Starling, 6425; House Sparrow, 5000; Western Meadowlark, 222; Redwinged Blackbird, 20; Brewer's Blackbird, 683; House Finch, 36; Am. Goldfinch, 4; Lark Bunting, 16; Slate-colored Junco, 3; Oregon Junco, 155; Gray-headed Junco, 4; Brewer's Sparrow, 2; White-crowned Sparrow, 220; Song Sparrow, 23. **Total,** 76 species; about 66,561 individuals. (Seen in area count period, but not on count day: Yellow-shafted Flicker, Downy Woodpecker, Audubon's Warbler, Rufous-sided Towhee, Vesper Sparrow.)—Delbert L. Boggs, Robert A. Garrett, Vester Montgomery (compiler), Harold S. Peters, James H. Sikes.

567. Santa Fe, N. Mex. (all points within a 15-mile diameter circle, center same as 1959; urban and suburban 15%, grassland 34%, piñon and juniper 40%, pine and spruce 10%, water 1%).—Dec. 29; 6:30 a.m. to 5:30 p.m. Clear; temp. 15° to 40°; wind N, 15 m.p.h.; light snow cover, little open water. Ten observers in 5 parties. Total party-hours, 49 (29 on foot, 20 by car); total party-miles, 200 (25 on foot, 175 by car). ► Mallard, 10; Goshawk, 2; Sharp-shinned Hawk, 7; Cooper's Hawk, 7; Red-tailed Hawk, 8; Marsh Hawk, 9; Pigeon Hawk, 3; Sparrow Hawk, 4; Scaled Quail, 29; Gambel's Quail, 48; Killdeer, 4; Common Snipe, 4; Mourning Dove, 3; Roadrunner, 2; Pygmy Owl, 2; Red-shafted Flicker, 80; Lewis' Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 10; Ladder-backed Woodpecker, 3; Say's Phoebe, 1; Horned Lark, 160; Gray Jay, 1; Steller's Jay, 171; Scrub Jay, 256; Black-billed Magpie, 28; Common Raven, 238; Common Crow, 30; Piñon Jay, **2044**; Clark's Nutcracker, 15; Black-capped Chickadee, 20; Mountain Chickadee, 66; Plain Titmouse, 29; Common Bushtit, 44; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Pigmy Nuthatch, 2; Brown Creeper, 3; Robin, 440; Hermit Thrush, 1; Western Bluebird, 127; Mountain Bluebird, 254; Townsend's Solitaire, 190; Ruby-crowned Kinglet, 3; Water Pipit, 2; Cedar Waxwing, 6; Loggerhead Shrike, 4; Starling, 262; Audubon's Warbler, 7; House Sparrow, 717; Western Meadowlark, 1; Redwinged Blackbird, 30; Evening Grosbeak, 107; Cassin's Finch, 137; House Finch, 419; **Brown-capped Rosy Finch, 5** (all field marks at 15 ft.); Pine Siskin, 6; Am. Goldfinch, 3; Rufous-sided Towhee, 40; Brown Towhee, 69; Slate-colored Junco, 5; Oregon Junco, 1400; Gray-headed Junco, 625; White-crowned Sparrow, 210; White-throated Sparrow, 9; Song Sparrow, 48. **Total,** 66 species; about 8492 individuals. (Seen in area count period, but not on count day: House Wren, Winter Wren, Sage Thrasher, Tree Sparrow.)—Tidey Hamilton, Michael Hamilton, Burton Lewis, Doris Miller, Julius Miller, James Travis, Marylou Travis, Betty Wiard, Leon Wiard (compiler).

568. Silver City, N. Mex. (all points within a 15-mile diameter circle, center at Silver City as in 1957; coverage better except in mountains; southwest to Tyrone, east to Ft. Bayard, northeast to Pinos Altos, northwest to Bear Mt.; piñon-juniper-oak savannas 50%, Ponderosa Pine forest 5%, marsh and grassy fields 5%, desert and semi-desert scrub 30%, cactus and yucca flats 10%).—Jan. 2; 5 a.m. to 7 p.m. Clear; temp. 21° to 58°; wind W, 0-10 m.p.h.; ground with faint traces of snow, water in cattle tanks. Five observers in 2 parties. Total party-hours, 21 (4 on foot, 17 by car); total party-miles, 256 (5 on foot, 251 by car). ► Mallard, 9; Green-winged Teal, 10; Goshawk, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 12; Golden Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 5; Gambel's Quail, 119; Mourning Dove, 48; Screech Owl, 1; Great Horned Owl, 2; Pygmy Owl, 1; Red-shafted Flicker, **44**; Acorn Woodpecker, 3; Yellow-bellied Sapsucker, 7; Williamson's Sapsucker, 1; Hairy Woodpecker, 5; Ladder-backed Woodpecker, 4; Say's Phoebe, 4; Horned Lark, 6; Steller's Jay, **22**; Scrub Jay, 62; Mexican Jay, 78; Common Raven, 54; Piñon Jay, 104; Mountain Chickadee, 12; Plain Titmouse, 15; Bridled Titmouse, 1; Common Bushtit, 17; White-breasted Nuthatch, 9; Pigmy Nuthatch, 3; Bewick's Wren, 2; Cactus Wren, 4; Long-billed Marsh Wren, 2; Rock Wren, 1; Mockingbird, 1; Curve-billed Thrasher, 7; Crissal Thrasher, 3; Sage Thrasher, 4; Robin, 2; Western Bluebird, 114; Mountain Bluebird, 3; Townsend's Solitaire, 3; Ruby-crowned Kinglet, 9; Phainopepla, 1; Loggerhead Shrike, 9; Audubon's Warbler, 1; House Sparrow, 47; Western Meadowlark, 9; meadowlark (sp.), 38; Cassin's Finch, 49; House Finch, 272; Pine Siskin, 1; Am. Goldfinch, 4; Rufous-sided Towhee, 10; Brown Towhee, **161**; Savannah Sparrow, 3; Rufous-crowned Sparrow, 1; Black-throated Sparrow, 5; Sage Sparrow, 14; Oregon Junco, 199 (3 races); Gray-headed Junco, 87; Chipping Sparrow, 3; Brewer's Sparrow, 26; **Black-chinned Sparrow, 2** (all field marks at a few ft.—E.F., J.H.); White-crowned Sparrow, 156; Song Sparrow, 30. **Total,** 67 species (2 additional races); about 1948 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, **Rough-legged Hawk**, Harlequin Quail, Roadrunner.)—Ernest P. Francis, John P. Hubbard, Leonard Oakley, Marian A. Zimmerman, Dale A. Zimmerman (compiler).

569. Nampa, Idaho (all points within a 15-mile diameter circle, center Deer Flat Wildlife Refuge; sagebrush 10%, plowland 50%, fencerows 20%, brushland 15%, town shrubs 5%).—Dec. 27; 8 a.m. to 5:30 p.m.; temp. 20° to 41°; wind 2-25 m.p.h. Five observers in 2 parties. Total party-hours, 19 (5 on foot, 14 by car); total party-miles, 104 (2 on foot, 102 by car). ► Great Blue Heron, 1; Whistling Swan, 1; Canada Goose, 1500; Mallard, 120,000; Gadwall, 100; Pintail, 500; Am. Widgeon, 205; Shoveler, 505; Lesser Scaup, 18; Common Goldeneye, 61; Common Merganser, 6200; Red-breasted Merganser, 5; Rough-legged Hawk, 3; Marsh Hawk, 13; Prairie Falcon, 1; Sparrow Hawk, 5; Bobwhite, 30; California Quail, 20; Ring-necked Pheasant, 205; Am. Coot, 72; Killdeer, 17; Common Snipe, 20; Ring-billed Gull, 1089; Mourning Dove, 3; Red-shafted Flicker, 27; Horned Lark, 20; Black-billed Magpie, 89; Common Crow, 2730; Mountain Chickadee, 3; Robin, 1; Cedar Waxwing, 3; Starling, 1281; House Sparrow, 2192; Western Meadowlark, 106; Redwinged Blackbird, 56; Brewer's Blackbird, 200; House Finch, 13; Common Redpoll, 6; Am. Goldfinch, 129; Oregon Junco, 156; White-crowned Sparrow, 290; Song Sparrow, 3. **Total,** 42 species; about 137,879 individuals.—Gene Crawford, Mrs. Bill Harvey, Mrs. C. C. Hill, Mrs. Hugh Shaw (compiler), Doris Taylor.

570. Bear River Migratory Bird Refuge, Utah (all points within a 15-mile diameter circle; from Refuge Headquarters west along canal road, south and east over dikes to Perry, north following highway along foothills to Brigham City, west through fields and over salt flats, touching points along Bear River and back to headquarters; marsh and ponds 50%, fields and farmlands 25%, open pasture and river

banks 25%).—Dec. 22; 8 a.m. to 4 p.m. Clear; temp. 23° to 37°; no wind. Four observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 41 (1 on foot, 40 by car). ► Great Blue Heron, 22; Whistling Swan, 2679; Canada Goose, 838; Mallard, 715; Pintail, 2150; Green-winged Teal, 4; Am. Widgeon, 7; Shoveler, 4; Canvasback, 3; Common Goldeneye, 75; Bufflehead, 11; Ruddy Duck, 10; Common Merganser, 61; Red-breasted Merganser, 9; Rough-legged Hawk, 19; Golden Eagle, 12; Bald Eagle, 8; Marsh Hawk, 21; Ring-necked Pheasant, 225; Am. Coot, 18; Killdeer, 12; Common Snipe, 4; Ring-billed Gull, 48; Red-shafted Flicker, 6; Horned Lark, 132; Black-billed Magpie, 23; Common Raven, 29; Common Crow, 40; Water Pipit, 111; Bohemian Waxwing, 20; Starling, 229; House Sparrow, 725; Western Meadowlark, 18; Redwinged Blackbird, 369; Brewer's Blackbird, 55; Evening Grosbeak, 23; Purple Finch, 47; Am. Goldfinch, 40; Oregon Junco, 61; White-crowned Sparrow, 24; Song Sparrow, 21. **Total,** 41 species; about 8928 individuals.—Marvin P. Duncan, Malcolm M. McDonald, Vanez T. Wilson (compiler), Leo T. Young.

571. **Hyde Park, Utah** (all points within a 15-mile diameter circle, center junction of Hyde Park Road and Highway 91; fields and farmlands 40%, canyons and mountains 20%, towns and farmyards 20%, meadows and marshes 20%).—Dec. 26; 7:45 a.m. to 5:15 p.m. Cloudy; temp. 19° to 32°; wind N, 0-10 m.p.h.; light snow cover, swift water open. Four observers in 2 parties. Total party-hours, 19 (7 on foot, 12 by car); total party-miles, 145 (18 on foot, 127 by car). ► Mallard, 1; Rough-legged Hawk, 9; Ferruginous Hawk, 2; Marsh Hawk, 1; **Prairie Falcon, 1**; Sparrow Hawk, 4; **California Quail, 13** (introduced); Ring-necked Pheasant, 125; Gray Partridge, 8; Killdeer, 10; Common Snipe, 2; Mourning Dove, 1; Great Horned Owl, 1; Short-eared Owl, 5; Belted Kingfisher, 8; Red-shafted Flicker, 14; Horned Lark, 15; **Steller's Jay, 8**; Black-billed Magpie, 260; Black-capped Chickadee, 12; Dipper, 6; Robin, 1; Townsend's Solitaire, 4; Water Pipit, 1; Bohemian Waxwing, 239; Northern Shrike, 1; Starling, 1330; House Sparrow, 348; Western Meadowlark, 40; Brewer's Blackbird, 3; Evening Grosbeak, 23; Cassin's Finch, 35; House Finch, 7; Pine Siskin, 3; Am. Goldfinch, 40; Rufous-sided Towhee, 13; Oregon Junco, 74 (9 Pink-sided); **Harris' Sparrow, 3** (careful close study by both parties); White-crowned Sparrow, 7; Song Sparrow, 11. **Total,** 40 species (1 additional race); about 2689 individuals. (Seen in area count period, but not on count day: Downy Woodpecker, Redwinged Blackbird.)—Arlo Elwood, Richard F. Follett (compiler), Wayne C. Hancey, George T. Morrison.

572. **Atascosa Peak, Ariz.** (all points within a 15-mile diameter circle, center in SW corner of section 13, T23S, R11E, including Pena Blanca Lake, Pena Blanca Canyon, Sycamore Canyon, Atascosa Ridge; oak-juniper canyons and foothills 90%, lake and ranch tanks 10%).—Dec. 23; 7 a.m. to 5:30 p.m. Clear; temp. 26° to 71°; wind S, 0-1 m.p.h.; Sycamore Canyon stream running. Three observers in 1 party. Total party-hours, 10½ (9 on foot, 1½ by car); total party-miles, 25 (6 on foot, 19 by car). ► Pied-billed Grebe, 4; Pintail, 20; Am. Widgeon, 100; Shoveler, 5; Lesser Scaup, 30; Bufflehead, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Am. Coot, 5; Killdeer, 2; Spotted Sandpiper, 2; Least Sandpiper, 1; Mourning Dove, 3; Belted Kingfisher, 3; Red-shafted Flicker, 12; Gila Woodpecker, 3; Acorn Woodpecker, 11; Lewis' Woodpecker, 5; Yellow-bellied Sapsucker, 10; Arizona Woodpecker, 1; Black Phoebe, 5; Say's Phoebe, 3; Vermilion Flycatcher, 1; Steller's Jay, 7; Mexican Jay, 39; Common Raven, 6; Bridled Titmouse, 8; White-breasted Nuthatch, 3; Bewick's Wren, 1; Cañon Wren, 2; Rock Wren, 5; Hermit Thrush, 5; Western Bluebird, 3; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 12; Water Pipit, 2; Phainopepla, 5; Loggerhead Shrike, 2; Audubon's Warbler, 6; **Painted Redstart, 1** (beautiful adult watched 10 minutes); Western Meadowlark, 8; Pyrrhuloxia, 1; House Finch, 11; Rufous-sided Towhee, 12; Brown Towhee, 11; Rufous-crowned Sparrow, 7; Oregon Junco, 2; Gray-headed Junco, 37; Chipping Sparrow, 140; White-crowned Sparrow, 7. **Total,** 53 species; about 580 individuals.—Bill Harrison (compiler), Gerald McCoy, Warren Winslow.

573. **Imperial National Wildlife Refuge, Ariz.–Calif.** (all points within a 15-mile diameter circle, center at Castle Dome Landing, all observations made inside refuge, Ferguson Lake not included; brushy willow-cottonwood woodland 10%, open water with cattail-cane edges 55%, mesquite-arrowweed-tamarisk brush bordering water 25%, desert brush 5%, farm area 5%).—Dec. 23; 7:30 a.m. to 6 p.m. Clear; temp. 45° to 78°; wind NW, 0-5 m.p.h.; river levels fairly low except at Imperial Dam. Four observers in 2 parties. Total party-hours, 21 (11 on foot, 2 by car, 8 by boat); total party-miles, 50 (7 on foot, 7 by car, 36 by boat). ► Eared Grebe, 2; Pied-billed Grebe, 28; Double-crested Cormorant, 125; Great Blue Heron, 23; Common Egret, 14; Snowy Egret, 47; Black-crowned Night Heron, 3; Am. Bittern, 1; Canada Goose, 654; Snow Goose, 1; **Ross' Goose, 4** (adults present since Nov. 5, photographed); Mallard, 23; Gadwall, 17; Pintail, 56; Green-winged Teal, 209; **Blue-winged Teal, 2**; Am. Widgeon, 13; Shoveler, 24; Redhead, 4; Ring-necked Duck, 14; Canvasback, 14; Lesser Scaup, 199; Common Goldeneye, 1; Bufflehead, 23; Ruddy Duck, 7; Common Merganser, 112; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Harris' Hawk, 1; Marsh Hawk, 6; Prairie Falcon, 1; Sparrow Hawk, 2; Gambel's Quail, 56; Sora, 12; Common Gallinule, 10; Am. Coot, 5163; Snowy Plover, 1; Killdeer, 6; Common Snipe, 20; Spotted Sandpiper, 5; Greater Yellowlegs, 2; Least Sandpiper, 87; Long-billed Dowitcher, 66; Western Sandpiper, 2; Ring-billed Gull, 413; **Forster's Tern, 1** (present since Oct.); Mourning Dove, 15; Roadrunner, 1; Great Horned Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 19; Gilded Flicker, 1; Gila Woodpecker, 9; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 7; Black Phoe-

be, 3; Say's Phoebe, 15; Vermilion Flycatcher, 1; Tree Swallow, 937; Verdin, 8; House Wren, 8; Cactus Wren, 1; Long-billed Marsh Wren, 13; Mockingbird, 6; Crissal Thrasher, 4; Hermit Thrush, 1; Blue-gray Gnatcatcher, 1; Black-tailed Gnatcatcher, 8; Ruby-crowned Kinglet, 25; Water Pipit, 25; Phainopepla, 21; Loggerhead Shrike, 8; Starling, 1; Orange-crowned Warbler, 6; Audubon's Warbler, 96; Yellowthroat, 1; **Am. Redstart, 1** (same place last 2 counts); House Sparrow, 34; Western Meadowlark, 19; Redwinged Blackbird, 91; Abert's Towhee, 10; Savannah Sparrow, 4; Sage Sparrow, 2; White-crowned Sparrow, 24; Lincoln's Sparrow, 1; Song Sparrow, 9. **Total,** 87 species; about 8923 individuals. (Seen in area count period, but not on count day: Western Grebe, Whistling Swan.)—James T. Bialac, Gerald E. Duncan, Steve Gallizioli, Gale Monson (compiler).

574. Nogales, Ariz. (all points within a 15-mile diameter circle, center at Bankard and Grand Avenues; elevation 3700-3900 ft.; ponds and streams 20%, weed patches and mesquite-elderberry thickets 50%, pastures and grassland 30%).—Dec. 30; 7:30 a.m. to 6 p.m. Clear; temp. 24° to 55°; no wind; heavy rain preceding day, first in months. Four observers in 1 party. Total party-hours, 10½ (8 on foot, 2½ by car); total party-miles, 82 (6 on foot, 76 by car). ► Pied-billed Grebe, 3; Great Blue Heron, 1; Green Heron, 2; Mallard, 2; Gadwall, 12; Pintail, 3; Green-winged Teal, 4; Am. Widgeon, 61; Lesser Scaup, 50; Ruddy Duck, 3; Common Merganser, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Marsh Hawk, 2; Sparrow Hawk, 9; Gambel's Quail, 35; Sora, 2; Am. Coot, 28; Killdeer, 56; Common Snipe, 34; Spotted Sandpiper, 2 (infrequent but regular in winter); Least Sandpiper, 10; **White-winged Dove, 6** (all field marks by all observers); Mourning Dove, 467; Ground Dove, 7; Inca Dove, 3; Roadrunner, 3; Long-eared Owl, 7; Belted Kingfisher, 1; Red-shafted Flicker, 20; Gila Woodpecker, 17; Acorn Woodpecker, 5; Lewis' Woodpecker, 4; Yellow-bellied Sapsucker, 1; Ladder-back Woodpecker, 7; Ash-throated Flycatcher, 1; Black Phoebe, 15; Say's Phoebe, 12; Vermilion Flycatcher, 7; Mexican Jay, 1; Common Raven, **192**; Bridled Titmouse, 7; Verdin, 5; White-breasted Nuthatch, 3; Bewick's Wren, 10; Long-billed Marsh Wren, 1; Mockingbird, 16; Bendire's Thrasher, 1; Curve-billed Thrasher, 15; Robin, 1; Hermit Thrush, 3; Ruby-crowned Kinglet, 11; Water Pipit, 40; Loggerhead Shrike, 12; Starling, 13; Orange-crowned Warbler, 1; Audubon's Warbler, 50; House Sparrow, 75; Western Meadowlark, 156; Yellow-headed Blackbird, 126; Redwinged Blackbird, 350; Brewer's Blackbird, 900; Boat-tailed Grackle, 1; Brown-headed Cowbird, 126; Cardinal, 5; Pyrrhuloxia, 40; Lazuli Bunting, 3 (does not deserve boldface); House Finch, 100; Green-tailed Towhee, 5; Rufous-sided Towhee, 8; Brown Towhee, 16; Vesper Sparrow, 36; Lark Sparrow, 67; Black-throated Sparrow, 10; Oregon Junco, 2; Chipping Sparrow, 257; Brewer's Sparrow, 6; White-crowned Sparrow, 200; Fox Sparrow, 1; Lincoln's Sparrow, 22; Song Sparrow, 9. **Total,** 82 species; about 3831 individuals. (Seen in area count period, but not on count day: Snow Goose, **Black-bellied Tree Duck**, Shoveler, Canvasback, Golden Eagle, House Wren, Cactus Wren, Cedar Waxwing, Lesser Goldfinch, Rufous-crowned Sparrow.)—Joseph Beatty, William I. Harrison (compiler), A. D. McGrew, Warren Winslow.

575. Phoenix, Ariz. (all points within a 15-mile diameter circle, center ¼ mile SE of 91 Ave. and Indian School Road, including portions of Grand Canal and riverbeds of Salt, New, and Agua Fria Rivers; urban 35%, cotton fields and cropland 23%, grain and pasture 15%, citrus 6%, open water and marshes 1%, dry riverbed and creosote-bush desert 20%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 35° to 70°; wind E, 4 m.p.h. Twenty-one observers in 6 parties. Total party-hours, 60 (40 on foot, 20 by car). ► Great Blue Heron, 1; Green Heron, 4; Canada Goose, 12; Pintail, 1; Green-winged Teal, 3; Blue-winged Teal, 1 (crippled); Canvasback, 1; Bufflehead, 1; Turkey Vulture, 12; Cooper's Hawk, 1; Red-tailed Hawk, 7; Swainson's Hawk, 1; Ferruginous Hawk, 1; Marsh Hawk, 39; **Pigeon Hawk, 1** (carefully); Sparrow Hawk, 56; Gambel's Quail, 43; Am. Coot, 1; Killdeer, 274; Common Snipe, 516; Spotted Sandpiper, 20; Greater Yellowlegs, 225; Lesser Yellowlegs, 2; Least Sandpiper, 492; Long-billed Dowitcher, 101; Western Sandpiper, 7; Mourning Dove, **13,067**; Ground Dove, 14; Inca Dove, 428; Roadrunner, 20; Burrowing Owl, 1; Anna's Hummingbird, 1; Red-shafted Flicker, 132; Acorn Woodpecker, 2; Lewis' Woodpecker, 11; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 2; Black Phoebe, 6; Say's Phoebe, 13; Vermilion Flycatcher, 36; Horned Lark, 60; Steller's Jay, 2; Scrub Jay, 2; Verdin, 99; Brown Creeper, 1; House Wren, 4; Bewick's Wren, 4; Cactus Wren, 28; Mockingbird, 34; Bendire's Thrasher, 4; Curve-billed Thrasher, 30; Robin, 1; Hermit Thrush, 1; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 19; Water Pipit, 1042; Cedar Waxwing, 7; Phainopepla, 1; Loggerhead Shrike, 70; Starling, 22,449; Orange-crowned Warbler, 17; Audubon's Warbler, 371; House Sparrow, 54,805; Western Meadowlark, 2765; Yellow-headed Blackbird, 28,527; Redwinged Blackbird, 8081; **Bullock's Oriole, 1** (male); Brewer's Blackbird, 33,032; Boat-tailed Grackle, 10; Brown-headed Cowbird, 21,500; Cardinal, 14; Purple Finch, 5; House Finch, 2117; Am. Goldfinch, 1; Lesser Goldfinch, 8; Green-tailed Towhee, 8; Rufous-sided Towhee, 30; Abert's Towhee, 38; Lark Bunting, 70; Savannah Sparrow, 3; Vesper Sparrow, 2; Lark Sparrow, 3; Black-throated Sparrow, 6; Sage Sparrow, 6; Oregon Junco, 88; Gray-headed Junco, 1; Chipping Sparrow, 10; Brewer's Sparrow, 214; White-crowned Sparrow, 17,633; Lincoln's Sparrow, 12; Song Sparrow, 10. **Total,** 92 species; about 208,806 individuals.—Mary Bonnewell, Frank Brunk, James Demaree, Salome Ross Demaree (compiler), Rose Facklam, Vincent and Ruth Hart, Trudy Hay, Jane Horswell, Marion Hunt, Cody Hutson, Arnold Lane, John and Ruth Leonard, Una Miller, Edra Ogsbury, Cal Royal, Lloyd Shuttleworth, Peggy Spaw, Mary Stensby, Linda Vogel (Maricopa Audubon Society).

576. **Santa Catalina Mountains, Ariz.** (all points within a 15-mile diameter circle, center on south slope near Sabino Canyon; pine-fir forest 25%, oak foothill canyons 35%, mesquite-streamside thickets 35%, ponds and marshes 5%).—Dec. 28; 6 a.m. to 5:15 p.m.; temp. 42° to 70°; wind SW, 0-15 m.p.h. Nineteen observers in 4 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 98 (22 on foot, 76 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 7; Golden Eagle, 2; Sparrow Hawk, 9; Gambel's Quail, 57; Sora, 1; Am. Coot, 17; Killdeer, 9; Common Snipe, 2; Mourning Dove, 78; Roadrunner, 5; Red-shafted Flicker, 12; Gilded Flicker, 2; Gila Woodpecker, 38; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 3; Arizona Woodpecker, 2; Black Phoebe, 4; Say's Phoebe, 5; empidonax flycatcher (sp.), 2; Vermilion Flycatcher, 2; Steller's Jay, 5; Scrub Jay, 5; Mexican Jay, 32; Common Raven, 14; Mountain Chickadee, 22; Bridled Titmouse, 1; Verdin, 11; White-breasted Nuthatch, 19; Pigmy Nuthatch, 25; Brown Creeper, 5; House Wren, 3; Bewick's Wren, 7; Cactus Wren, 42; Cañon Wren, 5; Rock Wren, 4; Mockingbird, 4; Curve-billed Thrasher, 29; Crissal Thrasher, 2; Hermit Thrush, 9; Western Bluebird, 1; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 25; Phainopepla, 16; Loggerhead Shrike, 4; Starling, 5; Audubon's Warbler, 20; House Sparrow, 105; Western Meadowlark, 78; Redwinged Blackbird, 847; Brewer's Blackbird, 177; Cardinal, 20; Pyrrhuloxia, 6; House Finch, 73; Lesser Goldfinch, 3; Green-tailed Towhee, 6; Rufous-sided Towhee, 9; Brown Towhee, 17; Abert's Towhee, 10; Vesper Sparrow, 7; Lark Sparrow, 23; **Rufous-winged Sparrow, 2** (carefully identified—F.T.); Rufous-crowned Sparrow, 4; Black-throated Sparrow, 83; Oregon Junco, 64; Gray-headed Junco, 18; Mexican Junco, 40; Chipping Sparrow, 46; Brewer's Sparrow, 20; White-crowned Sparrow, 196; Lincoln's Sparrow, 2; Song Sparrow, 18. **Total,** 76 species; about 2466 individuals.—Joseph Beatty, Harland Bright, Clifford Fiscus, William I. Harrison, Neil Kresse, Cynthia Kresse, Albert McGrew, Ivan Peters (co-compiler), Florence Thornburg (co-compiler), Warren Winslow.

577. **Santa Cruz Valley, Ariz.** (all points within a 15-mile diameter circle, center at West 36th and Freeway in Tucson as in previous years; cultivated farms 60%, cottonwood-mesquite 16%, ponds and lakes 8%, hedgerows and thickets 16%).—Dec. 21; 6 a.m. to 4:30 p.m. Clear to high thin clouds; temp. 45° to 68°; wind SE, 6 m.p.h. Twenty-four observers in 4 parties. Total party-hours, 37 (31 on foot, 6 by car); total party-miles, 78 (27 on foot, 51 by car). ► Green Heron, 1; Mallard, 4; Green-winged Teal, 4; Am. Widgeon, 6; Shoveler, 5; **Wood Duck, 2** (at sewage disposal pond); Redhead, 1; Lesser Scaup, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 16; Golden Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 36; Gambel's Quail, 175; Am. Coot, 3; Killdeer, 115; Common Snipe, 2; Least Sandpiper, 3; White-winged Dove, 1; Mourning Dove, 1212; Ground Dove, 9; Inca Dove, 114; Roadrunner, 10; Screech Owl, 1; Great Horned Owl, 2; White-throated Swift, 5; **Costa's Hummingbird, 1** (male at feeder daily); Red-shafted Flicker, 61; Gilded Flicker, 20; Gila Woodpecker, 103; **Lewis' Woodpecker, 3**; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 14; **Western Kingbird, 1** (Streets party); Ash-throated Flycatcher, 1; Black Phoebe, 5; Say's Phoebe, 24; Vermilion Flycatcher, 8; Horned Lark, 18; Steller's Jay, 13; Scrub Jay, 8; Common Raven, 6; Bridled Titmouse, 3; Verdin, 41; White-breasted Nuthatch, 5; House Wren, 11; Bewick's Wren, 3; Cactus Wren, 26; Rock Wren, 7; Mockingbird, 20; Bendire's Thrasher, 6; Curve-billed Thrasher, 92; Crissal Thrasher, 6; Robin, 6; Hermit Thrush, 9; Blue-gray Gnatcatcher, 5; Black-tailed Gnatcatcher, 2; Ruby-crowned Kinglet, 33; Water Pipit, 595; Phainopepla, 11; Loggerhead Shrike, 53; Starling, 80; Hutton's Vireo, 1; Audubon's Warbler, 71; **Northern Waterthrush, 1** (all field marks carefully checked—4 experienced observers); House Sparrow, 681; Western Meadowlark, 356; Yellow-headed Blackbird, 2821; Redwinged Blackbird, 1077; Brewer's Blackbird, 3985; Boat-tailed Grackle, **379**; Brown-headed Cowbird, 1197; Bronzed Cowbird, 6; Cardinal, 52; Pyrrhuloxia, 34; House Finch, 620; Pine Siskin, 5; Lesser Goldfinch, 23; Green-tailed Towhee, 15; Rufous-sided Towhee, 4; Brown Towhee, 21; Abert's Towhee, 20; Lark Bunting, 512; Savannah Sparrow, 5; Baird's Sparrow, 1; Vesper Sparrow, 18; Lark Sparrow, 47; **Rufous-winged Sparrow, 2** (carefully by J.M.); Rufous-crowned Sparrow, 2; Black-throated Sparrow, 44; Oregon Junco, 9; Chipping Sparrow, 92; Brewer's Sparrow, 20; White-crowned Sparrow, 926 (mostly Gambel's); Lincoln's Sparrow, 10; Song Sparrow, 1. **Total,** 97 species (1 additional race); about 16,094 individuals. (Seen in area count period, but not on count day: Orange-crowned Warbler.)—Harland Bright, Clifford Fiscus, Harry and Bertha Graul, Grace Gregg, William I. Harrison, Virginia Kirtley, Neil Kresse, Cynthia Kresse, Joe T. Marshall, Jr., Albert D. McGrew, Ivan Peters (co-compiler), J. A. Saacke, Robert Streets, Douglas Streets, Arthur Sylvester, Anne Sylvester, Fern Tainter, Florence Thornburg (co-compiler), Ross Thornburg.

578. **Sierra Pinta, Cabeza Prieta Game Refuge, Ariz.** (all points within a 15-mile diameter circle, center approximately 5 miles NW of Heart Tank; washes at foot of mountains with Ironwood, Palo Verde, Catclaw, Jumping Bean, Elephant Tree, Chuparosa, etc. 70%, open Creosotebush desert and washes 30%).—Dec. 30; 6 a.m. to 5 p.m. Clear; temp. 50° to 75°; no wind; rain previous day; very little annual vegetation, perennial vegetation in moderately good condition near mountains, in good condition on Tule Desert; Heart Tank overflowing. Two observers in 1 party. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 26 (8 on foot, 18 by car). ► Red-tailed Hawk, 3; Sparrow Hawk, 2; Gambel's Quail, 20; Mourning Dove, 2; **Long-eared Owl, 1**; Costa's Hummingbird, 1; Red-shafted Flicker, 4; Gilded Flicker, 4; Gila Woodpecker, 5; Ladder-backed Woodpecker, 2; Ash-throated Flycatcher, 5; Say's Phoebe, 11; Common Raven, 2; Verdin, 8;

House Wren, 2; **Bewick's Wren, 1**; Cactus Wren, 3; Rock Wren, 4; Curve-billed Thrasher, 1; Black-tailed Gnatcatcher, 9; Ruby-crowned Kinglet, 3; Phainopepla, 6; Loggerhead Shrike, 2; Gray Vireo, 1; Western Meadowlark, 4; House Finch, 3; Green-tailed Towhee, 2; Vesper Sparrow, 1; Black-throated Sparrow, 11; Sage Sparrow, 47; Brewer's Sparrow, 7; White-crowned Sparrow, 11. **Total,** 32 species; about 188 individuals. (Seen in area count period, but not on count day: Roadrunner, Burrowing Owl, Scrub Jay.)—Freddie Monson, Gale Monson (compiler).

579. Ash Meadows, Nev. (all points within a 15-mile diameter circle, center at Ash Meadows Lodge; mesquite thickets, open alkali fields, marshy bogs, open water).—Jan. 2; 7 a.m. to 3:30 p.m.; temp. 30° to 65°; wind 5-35 m.p.h. Four observers in 1 party. Total party-hours, 9½; total party-miles, 45 (10 on foot, 35 by car). ► Am. Bittern, 1; Mallard, 11; Pintail, 18; Green-winged Teal, 113; Ruddy Duck, 2; Cooper's Hawk, 2; **Virginia Rail, 3**; Am. Coot, 5; Common Snipe, 4; Roadrunner, 2; Red-shafted Flicker, 11; Say's Phoebe, 3; Horned Lark, 65; Scrub Jay, 4; Common Raven, 13; Verdin, 5; Common Bushtit, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 3; Rock Wren, 1; Robin, 1; Ruby-crowned Kinglet, 9; Water Pipit, 2; Phainopepla, 1; Starling, 67; Audubon's Warbler, 11; House Sparrow, 8; Western Meadowlark, 1; Redwinged Blackbird, 30; Brewer's Blackbird, 6; House Finch, 14; Am. Goldfinch, 8; Lesser Goldfinch, 2; Black-throated Sparrow, 15; Sage Sparrow, 29; Oregon Junco, 20; Chipping Sparrow, 1; White-crowned Sparrow, 40; Song Sparrow, 11. **Total,** 39 species; about 544 individuals. —Mary Hill, Warren Hill, Roland Wauer (compiler), Sandra Wauer.

580. Cheney, Wash. (all points within a 15-mile diameter circle, center Eastern Washington College of Education Campus; ½ area within Turnbull Refuge; bunch grass and Ponderosa Pine woods 35%, lawns and parks 15%, deciduous areas bordering frozen ponds and streams 40%, wheat and irrigated fields 10%).—Dec. 29; 7 a.m. to 4 p.m. Cloudy most of day; temp. 22° to 30°; no wind; 2-3-in. old snow on ground and trees. Two observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 110 (4 on foot, 106 by car). ► Great Blue Heron, 4; Mallard, 186; Green-winged Teal, 25; Am. Widgeon, 1; **Shoveler, 1**; Ring-necked Duck, 50; Common Goldeneye, 24; **Ruddy Duck, 1**; Cooper's Hawk, 1; Red-tailed Hawk, 1; **Rough-legged Hawk, 1**; Marsh Hawk, 2; Pigeon Hawk, 1; California Quail, 61; Ring-necked Pheasant, 16; Am. Coot, 10; **Killdeer, 2**; Common Snipe, 9; **Mourning Dove, 4**; Belted Kingfisher, 1; Red-shafted Flicker, 15; Downy Woodpecker, 2; Horned Lark, 22; **Steller's Jay, 1**; Black-billed Magpie, 54; Black-capped Chickadee, 22; Mountain Chickadee, 3; Pigmy Nuthatch, 28; Winter Wren, 1; **Long-billed Marsh Wren, 3**; Varied Thrush, 1; Golden-crowned Kinglet, 1; Bohemian Waxwing, 9; Northern Shrike, 2; Starling, 1; House Sparrow, 286; **Western Meadowlark, 18**; House Finch, 26; **Pine Grosbeak, 26**; Common Redpoll, 1; Am. Goldfinch, 5; Slate-colored Junco, 1; Oregon Junco, 202; Song Sparrow, 35. **Total,** 44 species; about 1166 individuals. (Seen in area count period, but not on count day: Pintail, Lesser Scaup.)—Warren A. Hall, Lynn D. LaFave (compiler).

581. Harper, Wash. (all points within a 15-mile diameter circle, center Fragaria to include Harper, Port Orchard, Southworth and points west around Burley Lagoon, Vashon Island; small towns, brush, forests, scattered farms).—Dec. 31; 8:30 a.m. to 5 p.m.; temp. 36° to 47°; no wind. Six observers in 2 parties. Total party-hours, 16 (6 on foot, 9 by car, 1 by ferry est.); total party-miles, 104 (6 on foot, 98 by car). ► Common Loon, 5; Red-necked Grebe, 4; Horned Grebe, 37; Western Grebe, 407; Pied-billed Grebe, 2; Double-crested Cormorant, 25; Pelagic Cormorant, 2; Mallard, 1; Am. Widgeon, 861; Greater Scaup, 106; Common Goldeneye, 214; Bufflehead, 93; Harlequin Duck, 2; White-winged Scoter, 269; Surf Scoter, 75; Ruddy Duck, 151; Red-breasted Merganser, 27; Sparrow Hawk, 1; California Quail, 20; Am. Coot, 87; Killdeer, 18; Black Turnstone, 4; Sanderling, 38; Glaucous-winged Gull, 463; Herring Gull, 1; Mew Gull, 85; Bonaparte's Gull, 13; Marbled Murrelet, 3; Rhinoceros Auklet, 3; Belted Kingfisher, 11; Red-shafted Flicker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 3; Steller's Jay, 5; Northwestern Crow, 39; Black-capped Chickadee, 24; Chestnut-backed Chickadee, 9; Common Bushtit, 12; Red-breasted Nuthatch, 1; Winter Wren, 9; Bewick's Wren, 6; Robin, 343; Varied Thrush, 34; Hermit Thrush, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 35; House Sparrow, 5; Western Meadowlark, 2; Evening Grosbeak, 2; Purple Finch, 31; Pine Siskin, 214; Rufous-sided Towhee, 20; Slate-colored Junco, 1; Oregon Junco, 106; White-crowned Sparrow, 7; Fox Sparrow, 3; Song Sparrow, 67. **Total,** 57 species; about 4025 individuals.—Bob Boggs, Elsie Boggs, John Boggs, Russell Boggs, Violet E. Cannon (compiler), Doris Jelliffe.

582. Olympia, Wash. (all points within a 15-mile diameter circle, center State Capitol, including Summit, Black, Capitol, Deep, Hicks, Patterson and Long Lakes, part of Black Hills, Budd and Eld Inlets, Cooper's Point, South Bay, Olympia Parks, Millersylvania State Park, Nisqually Flats; fresh water and shore 40%, salt water and beach 30%, salt marsh 10%, roadside 10%, fir forest 10%).—Dec. 31; 8 a.m. to 4:30 p.m. Sunny; temp. 44° to 60°; no wind. Sixteen observers in 6 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 210 (30 on foot, 180 by car). ► Common Loon, 7; Red-throated Loon, 1; Red-necked Grebe, 2; Horned Grebe, 54; Eared Grebe, 6; Western Grebe, 311; Pied-billed Grebe, 5; Double-crested Cormorant, 3; Brandt's Cormorant, 1; Pelagic Cormorant, 14; Great Blue Heron, 10; Mallard, 27; Pintail, 556; Green-winged Teal, 10; **Blue-winged Teal, 3**; Am. Widgeon, 6000; Shoveler, 6; Redhead, 2; Ring-necked Duck, 30; Canvasback, 208; Greater Scaup, 361; Lesser Scaup, 93; Common Goldeneye, 263; Barrow's Goldeneye, 43; Bufflehead, 232; White-winged Scoter, 494;

Surf Scoter, 91; Common Scoter, 2; Ruddy Duck, 273; Hooded Merganser, 4; Common Merganser, 10; Red-breasted Merganser, 41; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 2; Blue Grouse, 1; Ruffed Grouse, 3; California Quail, 16; Ring-necked Pheasant, 4; Am. Coot, 510; Killdeer, 35; **Willet,** 3; Dunlin, 6132; Western Sandpiper, 102; Glaucous-winged Gull, 793; Herring Gull, 4; California Gull, 32; Mew Gull, 42; Bonaparte's Gull, 55; Common Tern, 21 [?—Ed.]; Pigeon Guillemot, 3; Marbled Murrelet, 2; Rhinoceros Auklet, 6; Band-tailed Pigeon, 6; Mourning Dove, 12; Screech Owl, 2; Short-eared Owl, 4; Belted Kingfisher, 6; Red-shafted Flicker, 40; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 7; Steller's Jay, 11; Northwestern Crow, 352; Mountain Chickadee, 12; Chestnut-backed Chickadee, 33; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 5; Brown Creeper, 8; **House Wren,** 1; Winter Wren, 12; Bewick's Wren, 3; Robin, 219; Varied Thrush, 26; Golden-crowned Kinglet, 65; Ruby-crowned Kinglet, 37; Cedar Waxwing, 17; Northern Shrike, 1; House Sparrow, 2; Western Meadowlark, 4; Redwinged Blackbird, 1000; Brewer's Blackbird, 302; Evening Grosbeak, 93; Purple Finch, 19; House Finch, 34; Pine Siskin, 220; White-winged Crossbill, 15; Rufous-sided Towhee, 38; Oregon Junco, 533; Fox Sparrow, 5; Lincoln's Sparrow, 1; Song Sparrow, 121. **Total,** 92 species; about 20,207 individuals. [Fish Crow, 1; Short-billed Marsh Wren, 3 removed from list—Ed.] (Seen in area count period, but not on count day: Ancient Murrelet, Pileated Woodpecker, Common Bushtit, Western Bluebird, Audubon's Warbler.)—Mr. and Mrs. Allan Beebe, William Bowman, Jean M. Burkhart, Leo Couch, Richard Deyoe, Ruby Egbert, Frank Lang, Steve Loftness, Christopher K. Mathews, Frank P. Mathews (compiler), Stephen Mathews, Margaret McKenny, David Mesojednik, Glenn Phillips, Mrs. Charles Williams (Olympia Audubon Society).

583. Orcas Island, Wash. (all points within a 15-mile diameter circle, center Olga; salt-water shore, open fields, light woods, 4 small fresh-water lakes).—Dec. 30; 7:30 a.m. to 4:30 p.m.; temp. 42°; wind light. Five observers in 4 parties. Total party-hours, 15; total party-miles, 25 (5 on foot, 20 by car). ► Common Loon, 2; Arctic Loon, 4; Red-necked Grebe, 12; Horned Grebe, 5; Eared Grebe, 37; Western Grebe, 7; Double-crested Cormorant, 13; Brandt's Cormorant, 8; Pelagic Cormorant, 10; Great Blue Heron, 2; Mallard, 38; Pintail, 5; Green-winged Teal, 4; Am. Widgeon, 198; Ring-necked Duck, 71; Canvasback, 10; Greater Scaup, 27; Common Goldeneye, 33; Bufflehead, 51; Oldsquaw, 200; Harlequin Duck, 13; White-winged Scoter, 14; Surf Scoter, 44; Common Scoter, 4; Ruddy Duck, 31; Hooded Merganser, 18; Common Merganser, 14; Red-breasted Merganser, 16; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 5; California Quail, 7; Ring-necked Pheasant, 4; Killdeer, 22; Black Turnstone, 5; Common Snipe, 5; Glaucous-winged Gull, 72; Western Gull, 24; California Gull, 6; Mew Gull, 6; Bonaparte's Gull, 2; Pigeon Guillemot, 6; Marbled Murrelet, 2; Belted Kingfisher, 5; Red-shafted Flicker, 17; Pileated Woodpecker, 3; Common Raven, 2; Northwestern Crow, 160; Chestnut-backed Chickadee, 8; Common Bushtit, 1; Red-breasted Nuthatch, 1; Winter Wren, 8; Bewick's Wren, 1; Robin, 38; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 14; Loggerhead Shrike, 1; **Townsend's Warbler,** 1; Red-winged Blackbird, 25; Brewer's Blackbird, 100; Rufous-sided Towhee, 9; Oregon Junco, 58; Fox Sparrow, 2; Song Sparrow, 18. **Total,** 64 species; about 1538 individuals.—Mrs. Charles F. Clise (compiler), C. J. Colmery, Mr. and Mrs. Jim Golithan, J. Horner.

584. Seattle, Wash. (all points within a 15-mile diameter circle, center at First Ave. and Yesler Way, including all metropolitan Seattle, east to Bellevue and west to Puget Sound; mixed woodland 25%, mixed woods and brush 6%, parks, cemeteries and residential 10%, marsh 9%, streams and lakes 25%, salt waterfront 25%).—Dec. 26; 7:45 a.m. to 4:30 p.m. Fog and light drizzle a.m.; temp. 43° to 45°; wind N to S, 3-9 m.p.h.; all waters open. Forty-two observers in 19 parties. Total party-hours, 93 (69 on foot, 24 by car); total party-miles, 175 (52 on foot, 123 by car). ► Common Loon, 2; Red-throated Loon, 1; Red-necked Grebe, 28; Horned Grebe, 49; Eared Grebe, 24; Western Grebe, 616; Pied-billed Grebe, 25; Double-crested Cormorant, 33; Brandt's Cormorant, 1; Pelagic Cormorant, 7; Great Blue Heron, 35; Canada Goose, 167 (2 Cackling); Mallard, 706; Gadwall, 6; Pintail, 486; Green-winged Teal, 64; Am. Widgeon, 1229; Shoveler, 182; Canvasback, 327; Greater Scaup, 1547; Lesser Scaup, 75; Common Goldeneye, 230; Barrow's Goldeneye, 1; Bufflehead, 128; White-winged Scoter, 114; Surf Scoter, 73; Ruddy Duck, 102; Hooded Merganser, 2; Common Merganser, 5; Red-breasted Merganser, 60; **Goshawk,** 1 (W.H.); Sharp-shinned Hawk, 6; Cooper's Hawk, 1; Red-tailed Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 2; California Quail, 124; Ring-necked Pheasant, 29; Am. Coot, 1654; Killdeer, 3; Black Turnstone, 3; Common Snipe, 10; **Spotted Sandpiper,** 1 (W.H.); Sanderling, 39; Glaucous-winged Gull, 6950; Herring Gull, 22; California Gull, 3; Ring-billed Gull, 191; Mew Gull, 1729; Bonaparte's Gull, 279; Marbled Murrelet, 1; Ancient Murrelet, 1; Band-tailed Pigeon, 174; Short-eared Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Red-shafted Flicker, 91; Hairy Woodpecker, 3; Downy Woodpecker, 19; Steller's Jay, 51; Common Crow, 10; Northwestern Crow, 113; Black-capped Chickadee, 212; Chestnut-backed Chickadee, 37; Common Bushtit, 168; Red-breasted Nuthatch, 11; Brown Creeper, 4; **Dipper,** 1 (F.R. party); Winter Wren, 8; Bewick's Wren, 26; Long-billed Marsh Wren, 7; Robin, 966; Varied Thrush, 98; Hermit Thrush, 1; Golden-crowned Kinglet, 56; Ruby-crowned Kinglet, 62; Cedar Waxwing, 94; Northern Shrike, 2; Starling, 81; Orange-crowned Warbler, 1; Myrtle Warbler, 1; Audubon's Warbler, 5; Townsend's Warbler, 2; House Sparrow, 254; Western Meadowlark, 8; Red-winged Blackbird, 44; Brewer's Blackbird, 185; **Brown-headed Cowbird,** 1 (seen well—N.H.); Evening Grosbeak, 13; Purple Finch, 75; House

Finch, 69; Pine Siskin, 1219; Am. Goldfinch, 36; Rufous-sided Towhee, 90; Slate-colored Junco, 1; Oregon Junco, 517; White-crowned Sparrow, 1; Golden-crowned Sparrow, 27; Fox Sparrow, 7; Song Sparrow, 466. **Total,** 100 species (1 additional race); about 22,702 individuals.—Mrs. Dick Anderson, Gerald Bakus, Hal Beecher, Ward Beecher, Bob and Elsie Boggs (compilers), Ruth Boyle, Sue Campbell, Violet Cannon, Mrs. J. I. Colwell, Dorothy Cramer, Dennis DeCourcey, Jim Forester, Ruby Forester, Marie Forman, Walter Hagenstein, Emily Haig, Mr. and Mrs. Norman Hansen, Mrs. Fred Herman, John Holyoke, Doris Jelliffe, Lincoln Johannsson, Harold Kephart, Ruth Kephart, Joan Leversee, John Leversee, Gertrude Lovejoy, Merritt Major, Warren Palmer, Ebba Peterson, Webster Ranson, Frank Richardson, Mr. and Mrs. Henry M. Risley, Bertha Schuler, Zella M. Schultz, Mr. and Mrs. Henry Tunes, Irene Urquhart, Jared Verner, Dick Witt (Seattle Audubon Society).

585. Spokane, Wash. (all points within a 15-mile diameter circle, center at Division St. and Francis Ave. as in previous counts; city lawns, parks and cemeteries 25%, irrigated tracts and open fields 15%, coniferous woods 20%, rivers bordered by deciduous growth 40%).—Dec. 31; 7 a.m. to 4 p.m. Cloudy a.m., part cloudy p.m.; temp. 22° to 15°; wind ENE, 0-5 m.p.h.; 2-3-in. old snow, ponds frozen, rivers open. Twenty-seven observers in 12 parties. Total party-hours, 98 (37 on foot, 61 by car); total party-miles, 468 (41 on foot, 427 by car). ► Pied-billed Grebe, 6; Great Blue Heron, 23; Canada Goose, 50; **White-fronted Goose, 1** (numerous observers); Mallard, 1727; Gadwall, 9; Pintail, 2; Green-winged Teal, 63; Am. Widgeon, 77; Redhead, 1; Ring-necked Duck, 236; Lesser Scaup, 8; Common Goldeneye, 480; Barrow's Goldeneye, **43**; Bufflehead, 32; **Ruddy Duck, 2**; Hooded Merganser, 3; Common Merganser, 2; **Goshawk, 2** (carefully identified); Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 6; **Bald Eagle, 1**; **Sparrow Hawk, 1**; Ruffed Grouse, 5; California Quail, 497; Ring-necked Pheasant, 224; Gray Partridge, 58; Am. Coot, 800; Common Snipe, 11; Ring-billed Gull, 9; **Mourning Dove, 2**; Great Horned Owl, 4; Belted Kingfisher, 7; Red-shafted Flicker, 84; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 23; Horned Lark, 32; **Steller's Jay, 7**; Black-billed Magpie, 167; Black-capped Chickadee, 223; Mountain Chickadee, 54; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 31; Pigmy Nuthatch, 394; Brown Creeper, 18; Dipper, 11; Winter Wren, 2; **Long-billed Marsh Wren, 2**; Cañon Wren, 11; Robin, 171; Varied Thrush, 1; Townsend's Solitaire, 5; Golden-crowned Kinglet, 93; Bohemian Waxwing, **5822**; Cedar Waxwing, 28; Northern Shrike, 11; Starling, 144; House Sparrow, 2597; Evening Grosbeak, 25; House Finch, 347; **Pine Grosbeak, 216**; Common Redpoll, 225; Pine Siskin, 1; Am. Goldfinch, 209; Slate-colored Junco, 11; Oregon Junco, 1224; Song Sparrow, 296. **Total,** 69 species; about 16,923 individuals. (Seen in area count period, but not on count day: Pigeon Hawk, Common Crow, Redwinged Blackbird, **Rusty Blackbird**, Cassin's Finch, **Snow Bunting**.)—J. L. Acton, Verna Adams, Dave Brown, Mattie Burke, Tom Groh, Tom Groh, Jr., Mr. and Mrs. M. C. Haggin, Warren Hall (compiler), Irene Hunt, Frances Huston, Lynn LaFave, Gary Lancaster, Anne Merager, Vee Nealey, Margaret Porter, Thomas Rogers, Lewis Sabo, Mr. and Mrs. Clarence Simpson, Mr. and Mrs. S. O. Stanley, Connie Smedley, Duncan Thompson, Alice Tietgen, Christine Unbewust, Alma Walker.

586. Wenatchee, Wash. (all points within a 15-mile diameter circle, center at Orondo St. boat launching ramp on Columbia River; elevation 650-2500 ft.; lawns, parks, orchards and cemeteries 50%, open fields, sagebrush flats, hillsides and coulees 25%, Columbia and Wenatchee River borders 25%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 25° to 38°; no wind; 3-in. new snow, Columbia and Wenatchee Rivers open, lakes frozen. Four observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 75 (5 on foot, 70 by car). ► Horned Grebe, 4; Great Blue Heron, 1; Canada Goose, 12; Mallard, 685; Green-winged Teal, 3; Common Goldeneye, 120; Barrow's Goldeneye, 18; Bufflehead, 20; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 3; California Quail, 129; Ring-necked Pheasant, 1; Am. Coot, 6; Killdeer, 3; Ring-billed Gull, 21; Mourning Dove, 28; Red-shafted Flicker, 16; Downy Woodpecker, 1; Horned Lark, 92; Steller's Jay, 4; Black-billed Magpie, 21; Black-capped Chickadee, 2; Robin, 1; Varied Thrush, 2; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 8; Northern Shrike, 2; Starling, 88; House Sparrow, 1500; Western Meadowlark, 10; Redwinged Blackbird, 20; Brewer's Blackbird, 11; House Finch, 85; Pine Siskin, 4; Am. Goldfinch, 15; Oregon Junco, 44; White-crowned Sparrow, 61; Song Sparrow, 5. **Total,** 40 species; about 3052 individuals. (Seen in area count period, but not on count day: Lesser Scaup, Belted Kingfisher, Lewis' Woodpecker, Hairy Woodpecker, Evening Grosbeak.)—Alpha B. Baldwin, W. G. Baldwin (compiler), Theresa Bulmer, Ann Krakowka.

587. Baker, Ore. (all points within a 15-mile diameter circle, center 5 miles north of Baker; 3300-4000 ft.; lawns, parks, cemeteries 10%, evergreen foothills 15%, cultivated fields and pastures 35%, woods and shrubs along river 20%, sagebrush 20%).—Jan. 2; 7:30 a.m. to 4 p.m. Heavy fog; temp. 6° to 29°; wind SW, 0-3 m.p.h.; 1-8-in. snow, little open water. Seven observers in 5 parties. Total party-hours, 31 (10 on foot, 21 by car); total party-miles, 235 (9 on foot, 226 by car). ► Mallard, 31; Red-tailed Hawk, 3; Rough-legged Hawk, **16**; Marsh Hawk, 9; Sparrow Hawk, 6; Mountain Quail, 6; Ring-necked Pheasant, 57; Common Snipe, 1; Belted Kingfisher, 1; Red-shafted Flicker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 69; Steller's Jay, 2; Black-billed Magpie, 246; Common Raven, 1; Black-capped Chickadee, 3; Mountain Chickadee, 11; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 2; Townsend's Solitaire, 1; Golden-crowned Kinglet, 9; Northern Shrike, 1; Starling, 320; House Sparrow, 1143; Western Meadowlark, 2; Red-

winged Blackbird, 2; Brewer's Blackbird, 155; Cassin's Finch, 1; House Finch, 43; Am. Goldfinch, 8; Slate-colored Junco, 3; Oregon Junco, 173; Tree Sparrow, 53; Song Sparrow, 20. **Total,** 36 species; about 2411 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Cooper's Hawk, Pigeon Hawk, Killdeer, White-headed Woodpecker, Gray Jay, Dipper, Robin, Bohemian Waxwing, Evening Grosbeak, Gray-crowned Rosy Finch, White-crowned Sparrow.)—Gertrude Inman, Marion Inman, Peggy Satterberg, Ava Steiger, Rives Waller, Ann Ward (compiler), Gaylord Ward.

588. Baker County, Oreg. (all points within a 15-mile diameter circle, center 2 miles south of Salisbury; elevation 3300-3400 ft.; evergreen forests 50%, cultivated fields and pastures 35%, woods and shrubs along river 5%, sagebrush 10%).—Dec. 31; 7:30 a.m. to 5 p.m. Intermittent sun, fog and snow; temp. 16° to 40°; wind N to NW, 0-8 m.p.h.; 0-14-in. snow, river partly frozen. Two observers in 1 party. Total party-hours, 9½ (3½ on foot, 6 by car); total party-miles, 102 (3 on foot, 99 by car). ► Red-tailed Hawk, 1; Rough-legged Hawk, 2; Golden Eagle, 1; California Quail, 14; Ring-necked Pheasant, 31; Red-shafted Flicker, 3; Black-billed Magpie, 124; Black-capped Chickadee, 1; Mountain Chickadee, 21; Red-breasted Nuthatch, 9; Dipper, 2; Robin, **1321**; Mountain Bluebird, 3; Townsend's Solitaire, 14; Northern Shrike, 1; Starling, 3; Brewer's Blackbird, 3; Evening Grosbeak, 3; Oregon Junco, 43. **Total,** 19 species; about 1600 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Song Sparrow.)—Ann Ward (compiler), Gaylord Ward.

589. Eugene, Oreg. (all points within a 15-mile diameter circle, center near Danebo Church, including Fern Ridge Reservoir, Springfield, Eugene as in former years; meadows 20%, orchards and fields 20%, suburban 10%, evergreen forests 20%, mixed woods 20%, water 10%).—Jan. 1; 8 a.m. to 5 p.m. Low fog, visibility poor; temp. 31° to 34°; wind N, 1-5 m.p.h.; water open. Thirty-two observers in 17 parties. Total party-hours, 77 (48 on foot, 29 by car); total party-miles, 276 (47 on foot, 229 by car). ► Pied-billed Grebe, 3; Great Blue Heron, 3; **Green Heron, 1**; **Whistling Swan, 30** (daily on reservoir); Canada Goose, 2044; Mallard, 26; Gadwall, 11; Pintail, 50; Am. Widgeon, 72; Shoveler, 13; Redhead, 5; Ring-necked Duck, 11; Canvasback, 9; Lesser Scaup, 34; Ruddy Duck, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 19; Marsh Hawk, 5; Sparrow Hawk, 46; California Quail, 1; Ring-necked Pheasant, 52; Am. Coot, 46; Killdeer, 602; Common Snipe, 11; Dunlin, 225; Glaucous-winged Gull, 3; California Gull, 31; Ring-billed Gull, 113; Bonaparte's Gull, 17; Mourning Dove, 4; Great Horned Owl, 2; Short-eared Owl, 7; Belted Kingfisher, 9; Red-shafted Flicker, 215 (4 hybrids); Acorn Woodpecker, 62; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 14; Steller's Jay, 69; Scrub Jay, 144; Common Raven, 2; Common Crow, 19; Black-capped Chickadee, 200; Chestnut-backed Chickadee, 21; Common Bushtit, 107; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 9; Brown Creeper, 11; Winter Wren, 8; Bewick's Wren, 14; Long-billed Marsh Wren, 4; Robin, 1288; Varied Thrush, 266; Hermit Thrush, 6; Western Bluebird, 16; Golden-crowned Kinglet, 215; Ruby-crowned Kinglet, 64; Water Pipit, 121; Cedar Waxwing, 44; Starling, 1343; Myrtle Warbler, 1; Audubon's Warbler, 36; House Sparrow, 868; Western Meadowlark, 65; Red-winged Blackbird, 62; Brewer's Blackbird, 2468; Evening Grosbeak, 64; Purple Finch, 54; House Finch, 170; Am. Goldfinch, 52; Lesser Goldfinch, 9; Red Crossbill, 8; Rufous-sided Towhee, 183; Savannah Sparrow, 41; Slate-colored Junco, 2; Oregon Junco, 2572; White-crowned Sparrow, 138; Golden-crowned Sparrow, 218; Fox Sparrow, 33; Lincoln's Sparrow, 1; Song Sparrow, 271. **Total,** 82 species; about 15,136 individuals.—Freda Hull Baker, L. L. Daggett, Catherine Dunlop, Irene Flynn, Helen Kilpatrick, Erik Lindgren, Frances Newsom, Ruth Onthank, Ben H. Pruitt (compiler), Hal Pruitt, Eugene M. Sebring, Virginia Sebring, Emma Wright.

590. Fort Klamath, Oreg. (all points within a 15-mile diameter circle, center half way between Wood River Bridge and Crooked Creek Bridge; open fields 70%, marshland 5%, pine and fir forests 10%, lake and river 13%, residential 2%).—Dec. 29; 8 a.m. to 5:30 p.m. Clear; temp. 13° to 35°; no wind; very little snow on ground. Two observers in 1 party. Total party-hours, 9½ (2 on foot, 7½ by car); total party-miles, 99 (3 on foot, 96 by car). ► Great Blue Heron, 7; Am. Widgeon, 22; Lesser Scaup, 6; Bufflehead, 5; Red-tailed Hawk, 32; Rough-legged Hawk, **131** (field mouse outbreak); Golden Eagle, 1; Bald Eagle, 3; Marsh Hawk, 1; Prairie Falcon, 1; Mourning Dove, 1; **Great Gray Owl, 3** (nests locally); Belted Kingfisher, 5; Red-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Steller's Jay, 1; Scrub Jay, 1; Black-billed Magpie, 300; Common Raven, 6; Mountain Chickadee, 150; Red-breasted Nuthatch, 90; Brown Creeper, 1; Dipper, 13; Robin, 1; Loggerhead Shrike, 1; Starling, 11; Purple Finch, 150; Oregon Junco, 1. **Total,** 29 species; about 1028 individuals.—Mrs. May T. Gray, Mrs. Anna Strahan (compiler).

591. Malheur National Wildlife Refuge, Oreg. (all points within a 15-mile diameter circle, center on Blitzen River ½ mile north of Five Mile Road, to include southern portion of refuge; dry hay meadows 50%, willow 20%, juniper and sagebrush uplands 5%, canals and streams 5%, ponds and lakes 20%).—Dec. 27; 8 a.m. to 5 p.m.; temp. 25° to 35°; no wind; some streams and springs open, Krumbo Reservoir and East Knox Pond partly open. Seven observers in 2 parties. Total party-hours, 16; total party-miles, 65 (3 on foot, 62 by car). ► Great Blue Heron, 8; Trumpeter Swan, 2; Canada Goose, 1716; Mallard, 543; Gadwall, 30; Pintail, 1; Green-winged Teal, 14; **Blue-winged Teal, 1**; **Cinnamon Teal, 4** (very late); Am. Widgeon, 9; Redhead, 4; Ring-necked Duck, 26; Lesser Scaup, 11; Common Goldeneye, 29; Bufflehead, 29; **Oldsquaw, 1** (most unusual); Ruddy

Duck, 1; Hooded Merganser, 6; Common Merganser, 6; Goshawk, 2; Red-tailed Hawk, 1; Swainson's Hawk, 1; Rough-legged Hawk, 29; Ferruginous Hawk, 1; Golden Eagle, 2; Marsh Hawk, 17; Sparrow Hawk, 2; California Quail, 88; Ring-necked Pheasant, 172; Am. Coot, 6; Short-eared Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 14; Downy Woodpecker, 1; Black-billed Magpie, 60; Common Raven, 11; Cañon Wren, 1; Sage Thrasher, 2; Robin, **2000**; Mountain Bluebird, 36; Northern Shrike, 2; Loggerhead Shrike, 3; Starling, 7; House Sparrow, 51; Redwinged Blackbird, 120; Brewer's Blackbird, 50; Oregon Junco, 12; Tree Sparrow, 6; Song Sparrow, 52. **Total,** 49 species; about 5194 individuals.—Mrs. Azalea Graves, Eugene P. Heath, Jr., Eugene Kridler (compiler), Mrs. Pauline Reed, Carol Robe, Caroline Robe, Mrs. Elaine Robe.

592. Medford, Oreg. (all points within a 15-mile diameter circle, center on Crater Lake Highway 1 mile south of Gregory Rd.; brushy hillsides 15%, mixed woodland 20%, residential 15%, farmland 30%, ponds and streams 20%).—Dec. 30; 7:15 a.m. to 4:30 p.m. Partly cloudy; temp. 21° to 47°; wind NW, 5-7 m.p.h. Thirteen observers in 7 parties. Total party-hours, 41 (10 on foot, 31 by car); total party-miles, 240 (25 on foot, 215 by car). ► Pied-billed Grebe, 7; Great Blue Heron, 7; Black-crowned Night Heron, 7; Whistling Swan, 24; Canada Goose, 1; Mallard, 181; Gadwall, 6; Pintail, 2; Green-winged Teal, 10; Am. Widgeon, 4; Shoveler, 8; Wood Duck, 2; Redhead, 1; Ring-necked Duck, 40; Canvasback, 7; Lesser Scaup, 2; Bufflehead, 4; Ruddy Duck, 64; Common Merganser, 8; Goshawk, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 24; **Rough-legged Hawk, 2**; Marsh Hawk, 3; Sparrow Hawk, 38; California Quail, 152; Mountain Quail, 4; Ring-necked Pheasant, 61; Am. Coot, 108; Killdeer, 96; Common Snipe, 5; Spotted Sandpiper, 1; **Least Sandpiper, 6** (carefully identified —McCamants); Mourning Dove, 205; Barn Owl, 2; Great Horned Owl, 1; Burrowing Owl, **19** (all in Medford); Belted Kingfisher, 8; Red-shafted Flicker, 72; Acorn Woodpecker, 52; Lewis' Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 1; Steller's Jay, 4; Scrub Jay, 72; Black-capped Chickadee, 22; Mountain Chickadee, 3; Chestnut-backed Chickadee, 4; Plain Titmouse, 15; Common Bushtit, 66; White-breasted Nuthatch, 10; Brown Creeper, 4; Winter Wren, 3; Bewick's Wren, 6; Robin, 151; Varied Thrush, 10; Hermit Thrush, 7; Western Bluebird, **334**; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 24; Water Pipit, 51; Cedar Waxwing, 25; Loggerhead Shrike, 1; Starling, 618; Myrtle Warbler, 3; Audubon's Warbler, 10; House Sparrow, 114; Western Meadowlark, 395; Redwinged Blackbird, 43; Tricolored Blackbird, 48; Brewer's Blackbird, 1105; Brown-headed Cowbird, 10; Purple Finch, 4; **Cassin's Finch, 1** (at feeder); House Finch, 81; Am. Goldfinch, 521; Lesser Goldfinch, 69; Rufous-sided Towhee, 66; Brown Towhee, 18; Savannah Sparrow, 186; Lark Sparrow, 5; Oregon Junco, 1135; White-crowned Sparrow, 49; Golden-crowned Sparrow, 369; Fox Sparrow, 5; Song Sparrow, 63. **Total,** 88 species; about 7007 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Long-billed Marsh Wren, Evening Grosbeak.)—Ralph Browning, Mrs. Howard Bush, Ron Fields, Betty Jo Hicks, J. H. Hicks, Mrs. J. H. Hicks, Mrs. Robert Hubbard, Thomas McCamant (compiler), Mrs. Thomas McCamant, Mr. and Mrs. Carl Richardson, Mike Teeter, Tom Turpin.

593. Portland, Oreg. (all points within a 15-mile diameter circle, center on Willamette Base Line 1½ miles east of Willamette Meridian; same area since 1938; brushy woodland 20%, lakes, rivers, sloughs 15%, farmlands 15%, residential 50%).—Dec. 26; 7 a.m. to 4:30 p.m. Cloudy, showers; temp. 33° to 52°; wind S, 9 m.p.h.; water open, ground clear. Sixty observers in 8 parties. Total party-hours, 106 (38 on foot, 68 by car); total party-miles, 544 (50 on foot, 494 by car). ► Western Grebe, 5; Pied-billed Grebe, 10; Double-crested Cormorant, 8; Great Blue Heron, 3; Green Heron, 1; **Whistling Swan, 8**; Canada Goose, 196; White-fronted Goose, 1; Mallard, 350; Gadwall, 44; Pintail, 202; Green-winged Teal, 161; **European Widgeon, 2**; Am. Widgeon, 2218; Shoveler, 115; Ring-necked Duck, 20; Lesser Scaup, 20; Bufflehead, 14; Ruddy Duck, 42; Common Merganser, 49; Sharp-shinned Hawk, 4; Cooper's Hawk, 7; Red-tailed Hawk, 12; Pigeon Hawk, 2; Sparrow Hawk, 29; Ruffed Grouse, 3; California Quail, 2; Ring-necked Pheasant, 174; Am. Coot, 543; Killdeer, 68; Common Snipe, 3; **Greater Yellowlegs, 1** (carefully identified); Least Sandpiper, 32; Western Sandpiper, 11; Glaucous-winged Gull, 4778; Herring Gull, 1005; California Gull, 286; Ring-billed Gull, 201; Mew Gull, 1795; gulls (spp.), 2366; Mourning Dove, 64; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 4; Short-eared Owl, 4; Belted Kingfisher, 6; Red-shafted Flicker, 189; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 58; Steller's Jay, 59; Scrub Jay, **55**; Common Crow, 1073; Black-capped Chickadee, 699; Chestnut-backed Chickadee, 134; Common Bushtit, 338; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 20; Brown Creeper, 12; Winter Wren, 40; Bewick's Wren, 39; **Long-billed Marsh Wren, 1** (carefully identified); Robin, 19,220; Varied Thrush, 188; Hermit Thrush, 1; Golden-crowned Kinglet, 286; Ruby-crowned Kinglet, 49; Water Pipit, 1; Cedar Waxwing, 35; Starling, **72,959**; Northern Shrike, 1; Audubon's Warbler, 40; Townsend's Warbler, 1; House Sparrow, 776; Western Meadowlark, 52; Redwinged Blackbird, 15; Brewer's Blackbird, 974; Brown-headed Cowbird, 104; Evening Grosbeak, 233; Purple Finch, 9; House Finch, 502; Pine Siskin, 234; Am. Goldfinch, 9; Red Crossbill, 21; Rufous-sided Towhee, 145; Slate-colored Junco, 7; Oregon Junco, 1712; White-crowned Sparrow, 5; Golden-crowned Sparrow, 163; Fox Sparrow, 34; Song Sparrow, 904. **Total,** 91 species; about 116,319 individuals.—G. Alderson, Mr. and Mrs. Walter Anderson, Mr. and Mrs. Kenneth Batchelder, Burton Bailey, W. Baumann, Ruth Beacon, Tim Beebe, Christine Brindle, Marvin Calloway, Joe Calver, Lathe Claflin, Mr. and Mrs. Calvin Cooper, Fred Cren-

shaw, Harry Ehlen, Mr. and Mrs. J. F. Frantz, Pauline Hager, Mr. and Mrs. Robert Harris, Mrs. Carroll Higgins, Mrs. Wayne Janes, G. A. Kibler, Mr. and Mrs. Urban Kubat, Kenneth Lee, Norbert Leupold (compiler), Phil Lewis, David Marshall, Thornton Munger, J. Duncan Munger, Tom McAllister, Brian McNab, Harry Nehls, Louis Oberson, W. Oberteuffer, James Olson, W. Orndnff, Martha Platt, Lawrence Schramm, Mr. and Mrs. A. G. Sieberts, Leo Simon, Al Weatherwax, Roy Ward.

594. Angwin, Calif. (all points within a 15-mile diameter circle, center 2 miles south of Angwin Post Office as in last several years).—Jan. 1; 7:30 a.m. to 8 p.m. Sunshine; temp. 32° to 65°; no wind. Twelve observers in 5 parties. Total party-hours, 28 (21 on foot, 7 by car); total party-miles, 170 (20 on foot, 150 by car). ► Eared Grebe, 17; Western Grebe, 48; Pied-billed Grebe, 36; Double-crested Cormorant, 3; Great Blue Heron, 5; Black-crowned Night Heron, 1; Canada Goose, 150; Mallard, 31; Gadwall, 8; Pintail, 17; Green-winged Teal, 5; Am. Widgeon, 5; Shoveler, 2; Wood Duck, **100**; Redhead, 1; Ring-necked Duck, 96; Canvasback, 1; Greater Scaup, 4; Lesser Scaup, 4; Common Goldeneye, 14; Bufflehead, 16; Ruddy Duck, 101; Hooded Merganser, 3; Common Merganser, 6; Turkey Vulture, 15; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Golden Eagle, 1; Bald Eagle, 2; Sparrow Hawk, 9; California Quail, 118; Ring-necked Pheasant, 18; Sora, 1; Am. Coot, 133; Killdeer, 21; Common Snipe, 3; Greater Yellowlegs, 2; Ring-billed Gull, 3; Band-tailed Pigeon, 485; Mourning Dove, 45; Great Horned Owl, 1; Anna's Hummingbird, 2; Belted Kingfisher, 5; Red-shafted Flicker, 56; Pileated Woodpecker, 1; Acorn Woodpecker, 84; Lewis' Woodpecker, 3; Yellow-bellied Sapsucker, 3; Williamson's Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Nuttall's Woodpecker, 2; Western Kingbird, 2; Black Phoebe, 12; Say's Phoebe, 1; Violet-green Swallow, 5; Steller's Jay, 12; Scrub Jay, 74; Common Raven, 3; Common Crow, 69; Plain Titmouse, 49; Common Bushtit, 73; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 8; Pigmy Nuthatch, 8; Wrentit, 18; Winter Wren, 1; Bewick's Wren, 1; Rock Wren, 2; Mockingbird, 2; California Thrasher, 1; Robin, 1156; Varied Thrush, 55; Hermit Thrush, 11; Western Bluebird, 35; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 33; Water Pipit, 1; Cedar Waxwing, 212; Loggerhead Shrike, 5; Starling, 400; Hutton's Vireo, 1; Audubon's Warbler, 74; House Sparrow, 5; Western Meadowlark, 110; Brewer's Blackbird, 12; Evening Grosbeak, 18; Purple Finch, 8; House Finch, 271; Pine Siskin, 25; Lesser Goldfinch, 111; Red Crossbill, 25; Rufous-sided Towhee, 45; Brown Towhee, 73; Savannah Sparrow, 1; Lark Sparrow, 87; Rufous-crowned Sparrow, 3; Slate-colored Junco, 1; Oregon Junco, 264; White-crowned Sparrow, 65; Golden-crowned Sparrow, 189; White-throated Sparrow, 6; Fox Sparrow, 8; Song Sparrow, 21. **Total,** 106 species; about 5403 individuals. (Seen in area count period, but not on count day: Green Heron, Yellow-shafted Flicker.)—Burton Amundsen, Arthur Caviness, Oren C. Durham (compiler), Lloyd Eighme, Alex Greisman, Donald V. Hemphill, Vernon Howe, Robert Howson, Lee Pancoast, Orval Peterson, Donovan Stickle, L. R. Van Dolson.

595. Big Bear Lake, Calif. (all points within a 15-mile diameter circle, center near Bertha Peak in San Bernardino Mts. as in previous 17 years; elevation 3500-8500 ft.).—Dec. 21; 8:30 a.m. to 5:30 p.m. Clear; temp. 20° to 60°; wind variable, 5 m.p.h.; snow in scattered patches, lake frozen. Four observers in 2 parties. Total party-hours, 13 (5 on foot, 8 by car); total party-miles, 80 (10 on foot, 70 by car). ► Am. Widgeon, 4; Red-tailed Hawk, 4; Am. Coot, 3; Red-shafted Flicker, 11; Acorn Woodpecker, 3; Hairy Woodpecker, 6; White-headed Woodpecker, 6; Steller's Jay, 47; Scrub Jay, 2; Clark's Nutcracker, 18; Mountain Chickadee, 60; Plain Titmouse, 1; Verdin, 1; Common Bushtit, 9; White-breasted Nuthatch, 2; Pigmy Nuthatch, 40; Brown Creeper, 1; Townsend's Solitaire, 3; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Starling, 3; Redwinged Blackbird, 27; Brewer's Blackbird, 38; Evening Grosbeak, 2; Purple Finch, 4; Cassin's Finch, **214**; House Finch, 12; Pine Siskin, **1000**; Brown Towhee, 1; Black-throated Sparrow, 1; Oregon Junco, 40; White-crowned Sparrow, 12. **Total,** 32 species; about 1578 individuals.—Leo Best, Russel Best, Erna Comby, J. H. Comby (compiler).

596. Carpinteria, Calif. (all points within a 15-mile diameter circle, center park 4, Ventura County; beach 25%, salt marsh 5%, creek and lake 5%, residential 10%, orchard and farm 20%, oak canyons 10%, chaparral 25%).—Dec. 28; 6:30 a.m. to 4:30 p.m. Sunny; temp. 40° to 69°; wind 0-10 m.p.h. One observer. Total hours, 10 (5 on foot, 5 by car); total miles, 54 (6 on foot, 48 by car). ► Pied-billed Grebe, 2; Double-crested Cormorant, 3; Great Blue Heron, 12; Green Heron, 1; Snowy Egret, 1; Black-crowned Night Heron, 3; Pintail, 28; Green-winged Teal, 12; Greater Scaup, 2; Ruddy Duck, 6; Red-breasted Merganser, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 7; Am. Coot, 107; Snowy Plover, 29; Black-bellied Plover, 12; Common Snipe, 1; Willet, 6; Marbled Godwit, 10; Sanderling, 8; Ring-billed Gull, 37; Anna's Hummingbird, 9; Red-shafted Flicker, 2; Acorn Woodpecker, 1; Downy Woodpecker, 2; Black Phoebe, 5; Say's Phoebe, 3; **empidonax flycatcher (sp.), 1**; Scrub Jay, 1; Plain Titmouse, 3; Common Bushtit, 45; Wrentit, 3; Mockingbird, 5; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 4; Hutton's Vireo, 1; Audubon's Warbler, 43; Yellowthroat, 1; House Sparrow, 25; Western Meadowlark, 24; Redwinged Blackbird, 35; Brewer's Blackbird, 102; House Finch, 43; Am. Goldfinch, 19; Rufous-sided Towhee, 1; Brown Towhee, 4; Savannah Sparrow, 8; Oregon Junco, 6; White-crowned Sparrow, 50; Fox Sparrow, 2; Song Sparrow, 4. **Total,** 53 species; about 745 individuals. (Seen in area count period, but not on count day: Eared Grebe, **Pigeon Hawk**, House Wren, **Nashville Warbler**, **Bullock's Oriole**, Western Tanager.) —Harriet A. Howe.

597. Chico, Calif. (all points within a 15-mile diameter circle, center 2 miles south of Chico, extending west to Sacramento River, north to Lindo Channel, east into Iron Canyon, south to Durham).—Dec. 31; 8 a.m. to 4 p.m. Mostly clear; temp. 28° to 45°; wind 0-3 m.p.h. Eleven observers in 3 parties. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 92 (10 on foot, 82 by car). ► Great Blue Heron, 5; Whistling Swan, 1021; Canada Goose, 153; White-fronted Goose, 151; Snow Goose, 268; goose (sp.), 1082; Pintail, 1; Wood Duck, 3; Lesser Scaup, 2; Common Goldeneye, 4; Ruddy Duck, 500; Turkey Vulture, 25; Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Sparrow Hawk, 26; California Quail, 122; Ring-necked Pheasant, 13; Am. Coot, 300; Killdeer, 70; Common Snipe, 8; Greater Yellowlegs, 1; Western Sandpiper, 88; Ring-billed Gull, 1; Band-tailed Pigeon, 18; Mourning Dove, 7; Belted Kingfisher, 7; Red-shafted Flicker, 145; Acorn Woodpecker, 426; Lewis' Woodpecker, 142; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Nuttall's Woodpecker, 17; Black Phoebe, 10; Steller's Jay, 41; Scrub Jay, 206; Yellow-billed Magpie, 64; Common Crow, 23; Plain Titmouse, 49; Common Bushtit, 40; White-breasted Nuthatch, 24; Brown Creeper, 4; Bewick's Wren, 13; Mockingbird, 3; Robin, 107; Varied Thrush, 7; Hermit Thrush, 2; Western Bluebird, 9; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 81; Water Pipit, 51; Cedar Waxwing, 35; Loggerhead Shrike, 2; Starling, 235; Orange-crowned Warbler, 2; Audubon's Warbler, 204; House Sparrow, 101; Western Meadowlark, 264; Redwinged Blackbird, 819; Brewer's Blackbird, 3414; Evening Grosbeak, 103; Purple Finch, 14; House Finch, 21; Pine Siskin, 51; Am. Goldfinch, 67; Lesser Goldfinch, 494; Rufous-sided Towhee, 60; Brown Towhee, 17; Savannah Sparrow, 48; Lark Sparrow, 5; Oregon Junco, 972; White-crowned Sparrow, 148; Golden-crowned Sparrow, 102; Song Sparrow, 7. **Total,** 73 species; about 12,561 individuals.—Dorothy Armstrong, Garry Cole, Hulda Conklin, Emile Hodnette, Jiggs Hodnette, Katherine Hornibrook, Robbins S. King, Vernon Oswald, Gloria Piper, Thomas L. Rodgers (compiler), William Smithousen.

598. China Lake, Calif. (all points within a 15-mile diameter circle, center at intersection of Ridgecrest and China Lake Blvds.; residential 25%, sewage plant ponds 30%, creosote desert 13%, irrigated fields 22%, marsh 10%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 25° to 56°; wind variable, 0-5 m.p.h. Seven observers in 2 parties. Total party-hours, 16 (11 on foot, 5 by car); total party-miles, 65 (7 on foot, 58 by car). ► Mallard, 1; Pintail, 27; Green-winged Teal, 88; Am. Widgeon, 1; Shoveler, 56; **Common Goldeneye, 2** (C.H., D.M.); Ruddy Duck, 55; Red-tailed Hawk, 2; Marsh Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 2; Am. Coot, 20; Killdeer, 12; Least Sandpiper, 11; Roadrunner, 2; Red-shafted Flicker, 10; Say's Phoebe, 3; Horned Lark, 23; Common Raven, 38; Long-billed Marsh Wren, 3; Mockingbird, 2; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 20; Loggerhead Shrike, 3; Starling, 250; Audubon's Warbler, 1; House Sparrow, 200; Western Meadowlark, 25; Redwinged Blackbird, 12; Brewer's Blackbird, 185; House Finch, 42; Lark Sparrow, 2; Sage Sparrow, 8; Oregon Junco, 6; White-crowned Sparrow, 18; Song Sparrow, 15. **Total,** 37 species; about 1154 individuals.—Carl A. Heller, Katy Henry, Ronald A. Henry, Bill Hunt, Donald W. Moore (compiler), Lenore Palmer, Wanda W. Shomate.

599. Coastal Humboldt County, Calif. (all points within a 15-mile diameter circle, center 2 miles south of Table Bluff Lighthouse, covering Centerville Beach to King Salmon).—Jan. 2; 8:30 a.m. to 5 p.m.; temp. 32° to 56°; wind NW, 0-5 m.p.h. Eight observers in 1 party. Total party-hours, 8½; total party-miles, 640 (24 on foot, 616 by car). ► Common Loon, 10; Red-throated Loon, 5; Red-necked Grebe, 4; Western Grebe, 30; Pied-billed Grebe, 2; Double-crested Cormorant, 1; Pelagic Cormorant, 1; Great Blue Heron, 5; Green Heron, 1; Common Egret, 20; Whistling Swan, 300; Pintail, 1; Green-winged Teal, 17; Am. Widgeon, 1100; Shoveler, 4; Redhead, 1; Lesser Scaup, 21; Common Goldeneye, 1; Bufflehead, 2; White-winged Scoter, 25; Surf Scoter, 25; Ruddy Duck, 145; Red-breasted Merganser, 1; Turkey Vulture, 7; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 15; Am. Coot, 350; Killdeer, 515; Common Snipe, 16; Willet, 15; Greater Yellowlegs, 5; Least Sandpiper, 300; Long-billed Dowitcher, 25; Western Sandpiper, 200; Marbled Godwit, 1; Sanderling, 63; Glaucous-winged Gull, 4; Western Gull, 5; Ring-billed Gull, 40; Short-eared Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 10; Downy Woodpecker, 1; Black Phoebe, 6; Common Raven, 18; Common Crow, 5; Chestnut-backed Chickadee, 5; Wrentit, 1; Winter Wren, 2; Robin, 750; Varied Thrush, 5; Hermit Thrush, 1; Ruby-crowned Kinglet, 25; Water Pipit, 32; Starling, 475; Audubon's Warbler, 29; Townsend's Warbler, 2; House Sparrow, 25; Western Meadowlark, 88; Redwinged Blackbird, 15; Brewer's Blackbird, 751; Brown-headed Cowbird, 6; House Finch, 16; Pine Siskin, 230; Lesser Goldfinch, 2; Rufous-sided Towhee, 2; Savannah Sparrow, 64; Oregon Junco, 16; White-crowned Sparrow, 42; Fox Sparrow, 27; Song Sparrow, 55. **Total,** 72 species; about 5996 individuals.—Clarence Crane (compiler), Ruth Crane, Harriet Crane, William Crane, Calista Harris, Stuart K. and Sally Harris, Sanford Wilbur.

600. Contra Costa County, Calif. (all points within a 15-mile diameter circle, center at intersection of Treat Lane and Clayton Valley Road to include Mt. Diablo, Walnut Creek, Concord, Pacheco, Pittsburg, Clayton, Port Chicago, Avon; bayshore 30%, mountain 20%, suburbs 15%, deciduous farm woodlots 20%, plowland 10%, pasture 5%).—Dec. 26; 7 a.m. to 5 p.m. Low tule fog, visibility 50 ft. to ½ mile; temp. 40° to 60°; wind 0-10 m.p.h. Twenty observers in 7 parties. Total party-hours, 42 (12 on foot, 30 by car); total party-miles, 456 (20 on foot, 436 by car). ► Horned Grebe, 1; Eared Grebe, 2; Western Grebe, 15; Pied-billed Grebe, 23; **White Pelican, 54**; Great Blue Heron, 6; Green Heron, 3; Common Egret, 14; Snowy Egret, 29; Black-crowned Night Heron, 2; Canada Goose, 1; White-fronted

Goose, 1; Mallard, 12; Gadwall, 1; Pintail, 310; Green-winged Teal, 9; Am. Widgeon, 12; Shoveler, 764; Ring-necked Duck, 8; Canvasback, 29; Lesser Scaup, 4; Common Goldeneye, 8; Bufflehead, 6; Ruddy Duck, 288; Hooded Merganser, 3; Common Merganser, 3; White-tailed Kite, 9; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Marsh Hawk, 16; Sparrow Hawk, 97; California Quail, 259; Ring-necked Pheasant, 4; Common Gallinule, 26; Am. Coot, 868; Killdeer, 58; Common Snipe, 67; Willet, 4; Greater Yellowlegs, 14; Lesser Yellowlegs, 2; Least Sandpiper, 167; Dunlin, 16; Long-billed Dowitcher, 6; Western Sandpiper, 15; Am. Avocet, 4; Glaucous-winged Gull, 371; Herring Gull, 420; California Gull, 122; Ring-billed Gull, 927; Mew Gull, 3; Bonaparte's Gull, 30; **Band-tailed Pigeon, 158**; Mourning Dove, 94; Barn Owl, 5; Great Horned Owl, 12; Burrowing Owl, 7; Short-eared Owl, 1; White-throated Swift, 50; Anna's Hummingbird, 24; Belted Kingfisher, 3; Red-shafted Flicker, 125; Acorn Woodpecker, 77; Lewis' Woodpecker, 8; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 3; Nuttall's Woodpecker, 6; Black Phoebe, 13; Say's Phoebe, 2; **Violet-green Swallow, 2** (2 parties); **Barn Swallow, 2** (carefully identified—S.P.); Steller's Jay, 24; Scrub Jay, 149; Plain Titmouse, 68; Common Bushtit, 92; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Brown Creeper, **5**; Wrentit, 17; **House Wren, 1**; Bewick's Wren, 7; Long-billed Marsh Wren, 39; Mockingbird, 63; California Thrasher, 16; Robin, 255; Varied Thrush, 10; Hermit Thrush, 10; Western Bluebird, 93; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 26; Water Pipit, 438; Cedar Waxwing, 229; Loggerhead Shrike, 46; Starling, 290; **Myrtle Warbler, 1**; Audubon's Warbler, 1325; Yellowthroat, 28; House Sparrow, 408; Western Meadowlark, 726; Redwinged Blackbird, 1141; Tricolored Blackbird, 2; Brewer's Blackbird, 6809; Brown-headed Cowbird, 13; Purple Finch, 67; House Finch, 257; Pine Siskin, 73; Am. Goldfinch, 119; Lesser Goldfinch, 593; Rufous-sided Towhee, 30; Brown Towhee, 102; Savannah Sparrow, 155; Lark Sparrow, 31; Rufous-crowned Sparrow, 1; **Sage Sparrow, 4** (Mt. Diablo slopes); Oregon Junco, 543; White-crowned Sparrow, 1320; Golden-crowned Sparrow, 506; Fox Sparrow, 25; Song Sparrow, 368. **Total,** 119 species; about 22,270 individuals. (Seen in area count period, but not on count day: Double-crested Cormorant, Hutton's Vireo.)—Betty Adamson, Harry Adamson, Dorothy Couden, Harry Couden, Lynn Farrar (compiler), Engra Lusebrink, Jane Nemetz, Elizabeth O'Meara, Steve Pearl, Eleanor Pugh, Jenifer Robinson, George Schad, Beverley Wilder, Janet Willoughby.

601. Crystal Springs, Calif. (all points within a 15-mile diameter circle, center at causeway over Crystal Springs Lakes, including South San Francisco Bay in vicinity of Belmont Slough and San Mateo Bridge, northern Santa Cruz Mountains, Pacific Ocean at Half Moon Bay; open salt water 25%, tidal salt marsh 10%, mud flats 5%, lawns and shrubbery 10%, chaparral-covered hillsides 15%, farm and grazing land 15%, forested canyons and ridges 10%, ocean beach 10%).—Jan. 1; 6:30 a.m. to 6 p.m. Clear, early morning fog on bay; temp. 38° to 51°; wind light. Twenty observers in 6 parties. Total party-hours, 40 (13 on foot, 21 by car, 6 by boat); total party-miles, 145 (10 on foot, 125 by car, 10 by boat). ► Common Loon, 5; Red-throated Loon, 14; Red-necked Grebe, 5; Horned Grebe, 45; Eared Grebe, 200; Western Grebe, 145; Pied-billed Grebe, 12; **Sooty Shearwater, 1** (E.A., L.R.); White Pelican, 11; Brown Pelican, 3; Double-crested Cormorant, 12; Brandt's Cormorant, 39; Pelagic Cormorant, 75; Great Blue Heron, 46; Common Egret, 25; Snowy Egret, 64; Black-crowned Night Heron, 5; Whistling Swan, 1; Canada Goose, 169; Black Brant, 80; **White-fronted Goose, 2** (N.D.); **Snow Goose, 1** (N.D.); Mallard, 17; Gadwall, 65; Pintail, 85; Green-winged Teal, 9; Cinnamon Teal, 7; Am. Widgeon, 31; Shoveler, 2000; Wood Duck, 2; Redhead, 1; Ring-necked Duck, 2; Canvasback, 83; Greater Scaup, 400; Lesser Scaup, 2500; Common Goldeneye, 106; Bufflehead, 59; **Oldsquaw, 1**; White-winged Scoter, 11; Surf Scoter, 59; Common Scoter, 4; Ruddy Duck, 179; Common Merganser, 11; Red-breasted Merganser, 15; Turkey Vulture, 13; White-tailed Kite, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; **Rough-legged Hawk, 1** (E.A., L.R.); Marsh Hawk, 5; Peregrine Falcon, 1; Sparrow Hawk, 33; California Quail, 23; Ring-necked Pheasant, 1; Clapper Rail, 1; Black Rail, 1 [no details, not underlined as unusual—Ed.]; Common Gallinule, 3; Am. Coot, 438; Semipalmated Plover, 3; Snowy Plover, 12; Killdeer, 191; Black-bellied Plover, 59; Surfbird, 1; Black Turnstone, 25; Common Snipe, 5; Long-billed Curlew, 7; Whimbrel, 27; Spotted Sandpiper, 5; Willet, 344; Greater Yellowlegs, 37; Least Sandpiper, 185; Dunlin, 562; Long-billed Dowitcher, 41; Western Sandpiper, 3200; Marbled Godwit, 52; Sanderling, 228; Am. Avocet, 120; Black-necked Stilt, 3; Glaucous-winged Gull, 68; Western Gull, 61; Herring Gull, 55; California Gull, 3000; Ring-billed Gull, 1200; Mew Gull, 1600; Bonaparte's Gull, 1000; Heermann's Gull, 155; Forster's Tern, 5; **Least Tern, 2** [unconvincing details—Ed.]; Caspian Tern, 1; Band-tailed Pigeon, 97; Mourning Dove, 42; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 2; Short-eared Owl, 5; Anna's Hummingbird, 16; Belted Kingfisher, 5; Red-shafted Flicker, 16; Acorn Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Black Phoebe, 7; Say's Phoebe, 7; Horned Lark, 15; Steller's Jay, 13; Scrub Jay, 55; Common Raven, 2; Common Crow, 1; Chestnut-backed Chickadee, 72; Plain Titmouse, 12; Common Bushtit, 54; White-breasted Nuthatch, 5; Brown Creeper, 3; Wrentit, 17; Winter Wren, 1; Bewick's Wren, 5; Long-billed Marsh Wren, 2; Mockingbird, 12; California Thrasher, 9; Robin, 229; Varied Thrush, 36; Hermit Thrush, 14; Western Bluebird, 6; Ruby-crowned Kinglet, 8; Water Pipit, 48; Cedar Waxwing, 55; Loggerhead Shrike, 9; Starling, **187** (increasing); Hutton's Vireo, 4; Audubon's Warbler, 54; Townsend's Warbler, 1; Yellowthroat, 3; House Sparrow, 124; Western Meadowlark, 89; Redwinged Blackbird, 150; Tricolored Blackbird, 3; Brewer's Blackbird, 690; Brown-headed Cowbird, 5; Purple

Finch, 5; House Finch, 129; Pine Siskin, 65; Am. Goldfinch, 10; Lesser Goldfinch, 127; **Lawrence's Goldfinch, 2** (N.D.); **Red Crossbill, 150**; Rufous-sided Towhee, 10; Brown Towhee, 40; Savannah Sparrow, 73; Lark Sparrow, 25; Oregon Junco, 39; White-crowned Sparrow, 399; Golden-crowned Sparrow, 112; **White-throated Sparrow, 1**; Fox Sparrow, 8; Song Sparrow, 22. **Total,** 158 species; about 22,815 individuals.—Earl A. Albertson, Jim Baker, Ruth Breckenridge, Mrs. Aveline Butler, James S. Butler, Don Castleberry, B. Neil Dickinson, Oleta S. Dickinson (compiler), Kevin Gray, Mrs. Marian Harman, Charles Hice, Carol Kemnitz, Mrs. Georgiana Larsen, J. Ed. McClellan, C. C. McGehee, A. E. Montgomery, Vernon Nellis, Mrs. Florence Richardson, Lynne Robbins, Mrs. Winona Sears, Mark Zumsteg.

602. Death Valley National Monument, Calif. (all points within a 15-mile diameter circle, center at Furnace Creek Ranch).—Dec. 23; 7 a.m. to 4:30 p.m.; temp. 40° to 74°; wind 0-10 m.p.h. Six observers in 3 parties. Total party-hours, 36 (35 on foot, 1 by car); total party-miles, 32 (22 on foot, 10 by car). ► Green-winged Teal, 3; Shoveler, 1; Lesser Scaup, 2; Ruddy Duck, 1; Cooper's Hawk, 5; Red-tailed Hawk, 2; Prairie Falcon, 2; Peregrine Falcon, 1; Gambel's Quail, 5; Killdeer, 16; Common Snipe, 3; Roadrunner, 6; Red-shafted Flicker, 22; Lewis' Woodpecker, 65; Yellow-bellied Sapsucker, 4; Williamson's Sapsucker, 1; Black Phoebe, 8; Say's Phoebe, 21; Vermilion Flycatcher, 2; Scrub Jay, 3; Common Raven, 45; Bewick's Wren, 4; Long-billed Marsh Wren, 5; Rock Wren, 1; Mockingbird, 3; Le Conte's Thrasher, 1; Robin, 5; Hermit Thrush, 1; Ruby-crowned Kinglet, 6; Water Pipit, 38; Cedar Waxwing, 1; Loggerhead Shrike, 2; Starling, 700; Audubon's Warbler, 110; House Sparrow, 62; Western Meadowlark, 59; Brewer's Blackbird, 5; House Finch, 28; Savannah Sparrow, 3; Sage Sparrow, 1; Oregon Junco, 42; White-crowned Sparrow, 23; Lincoln's Sparrow, 7; Song Sparrow, 17. **Total,** 44 species; about 1342 individuals.—William C. Bullard, James Eshelman, James Liles, Jerry Liles, Dwight Warren, Roland Wauer (compiler).

603. Los Angeles, Calif. (all points within a 15-mile diameter circle, center near Pico Boulevard and La Cienega Ave.).—Jan. 2; 4 a.m. to 5 p.m. Clear, heavy fog on coast a.m.; temp. 40° to 67°; wind variable and light. Fifty-seven observers in [?—Ed.] parties. Total party-hours, 191 (139 on foot, 52 by car); total party-miles, 582 (140 on foot, 442 by car). ► Common Loon, 2; Horned Grebe, 4; Eared Grebe, 15; Western Grebe, 8; Pied-billed Grebe, 4; Brown Pelican, 1; Double-crested Cormorant, 1; cormorant (sp.), 7 (not Double-crested); Great Blue Heron, 26; Green Heron, 2; Common Egret, 2; Snowy Egret, 7; Black-crowned Night Heron, 1; Canada Goose, 1; Mallard, 30; Pintail, 40; Green-winged Teal, 79; Cinnamon Teal, 3; Shoveler, 45; Ring-necked Duck, 40; Canvasback, 10; Lesser Scaup, 737; Bufflehead, 5; **Oldsquaw, 3** [no details—Ed.]; White-winged Scoter, 79; Surf Scoter, 166; Common Scoter, 22; Ruddy Duck, 81; Common Merganser, 2; Red-breasted Merganser, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 25; Red-shouldered Hawk, 1; Marsh Hawk, 3; Pigeon Hawk, 3; Sparrow Hawk, 27; California Quail, 259; Ring-necked Pheasant, 1; Am. Coot, 882; Semipalmated Plover, 3; Snowy Plover, 32; Killdeer, 73; Black-bellied Plover, 72; Black Turnstone, 97; Long-billed Curlew, 2; Whimbrel, 4; Spotted Sandpiper, 1; Willet, 657; Greater Yellowlegs, 3; Least Sandpiper, 70; Dunlin, 2; Short-billed Dowitcher, 16; Western Sandpiper, 103; Marbled Godwit, 73; Sanderling, 138; Am. Avocet, 9; Glaucous-winged Gull, 28; Western Gull, 32; Herring Gull, 3; California Gull, 121; Ring-billed Gull, 651; Mew Gull, 54; Bonaparte's Gull, 1; Heermann's Gull, 51; gull (sp.), 1026; Forster's Tern, 11; Mourning Dove, 518; Spotted Dove, 63; Ringed Turtle Dove, 4; dove (sp.), 4; Roadrunner, 1; Great Horned Owl, 2; Burrowing Owl, 1; **Spotted Owl, 1** (A.S. party, photographed); Short-eared Owl, 4; White-throated Swift, 83; Black-chinned Hummingbird, 1; Anna's Hummingbird, 216; Allen's Hummingbird, **12** [no details—Ed.]; Belted Kingfisher, 2; Red-shafted Flicker, 135; Acorn Woodpecker, 1; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 8; Nuttall's Woodpecker, 14; Ash-throated Flycatcher, 1; Black Phoebe, 16; Say's Phoebe, 5; empidonax flycatcher (sp.), 1; Scrub Jay, 530; Common Raven, 22; Common Crow, 15; Plain Titmouse, 50; Common Bushtit, 423; White-breasted Nuthatch, 6; Wrentit, 290; House Wren, 6; Bewick's Wren, 17; Rock Wren, 1; Mockingbird, 455; California Thrasher, 49; Robin, 699; Varied Thrush, 1; Hermit Thrush, 49; Western Bluebird, 15; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 31; Water Pipit, 31; Cedar Waxwing, 752; Loggerhead Shrike, 48; **Starling, 2**; Hutton's Vireo, 2; Audubon's Warbler, 1376; Townsend's Warbler, 1; Hermit Warbler, 3 [no details—Ed.]; House Sparrow, 857; Western Meadowlark, 144; Brewer's Blackbird, 734; Purple Finch, 57; Cassin's Finch, 2; House Finch, 8337; Pine Siskin, 185; Am. Goldfinch, 219; Lesser Goldfinch, 290; **Red Crossbill, 4**; Rufous-sided Towhee, 88; Brown Towhee, 698; Savannah Sparrow, 28; Lark Sparrow, 125; Slate-colored Junco, 8; Oregon Junco, 378; Chipping Sparrow, 34; White-crowned Sparrow, 1126; Golden-crowned Sparrow, 146; Fox Sparrow, 19; Song Sparrow, 112; sparrow (sp.), 43. **Total,** 135 species; about 25,573 individuals.—Caroline Adams, Don Adams, C. Patrick Bennett, Janith G. Biorkman, Robert E. Blackstone, John K. Blair, Warren G. Blazer, J. Stanley Brode, Olga Clarke, Herb Clarke, Caroline Daugherty, Douglas Dick, Merritt S. Dunlap, David Duval, Irving J. Goldhaber, Mayme Gee, Ted Gee, John B. Hardy, George T. Hastings, Bess M. Hoffman, Jim W. Huffman, Warren A. Hunt, Elsie Kennedy, Ruth Kennedy, Irene Lane, Arnold Larson, Mary Larson, Bill Lehmann, Helen Lehmann, Alice Lewis, Dorothy Lilley, William Lustberg, Florine P. Maule, Jean Magoun, Alan Meyerfield, Richard A. Milne, Gudrun Pepke, Helen Reed, David Robison, Larry Sansome, Mrs. Chester Schaeffer, Roscoe R. Schaffert, Mary Schroeder, Catherine Shaw, John Shreue, Arnold Small, Nellie Spencer, Norma Splitter, Mr

and Mrs. Frank Stanck, Larry Steinberg, May Wait, Hannah R. Walker (compiler), Bill Watson, Ernest J. Willoughby, Marion Wilson, Russ Wilson, Irwin Woldman.

604. **Marysville, Calif.** (all points within a 15-mile diameter circle, center at east end of Woodruff Lane).—Jan. 2; 8 a.m. to 5 p.m.; temp. 29° to 37°; no wind. Eight observers in 4 parties. Total party-hours, 41 (2 on foot, 39 by car); total party-miles, 72 (4 on foot, 68 by car). ► Pied-billed Grebe, 1; Canada Goose, 600; Snow Goose, 10,412; Ross' Goose, 4 [no details—Ed.]; Mallard, 7; Pintail, 187; Cinnamon Teal, **8**; Wood Duck, 2; Turkey Vulture, 5; White-tailed Kite, 1; Red-tailed Hawk, 10; Golden Eagle, 2; Marsh Hawk, 7; Pigeon Hawk, 1; Sparrow Hawk, 16; Ring-necked Pheasant, 18; Common Gallinule, 26; Am. Coot, 249; Killdeer, 21; Lesser Yellowlegs, 1; Band-tailed Pigeon, 3; Mourning Dove, 9; Belted Kingfisher, 1; Red-shafted Flicker, 17; Acorn Woodpecker, 60; Lewis' Woodpecker, 11; Hairy Woodpecker, 4; Black Phoebe, 1; Scrub Jay, 6; Yellow-billed Magpie, 52; Common Crow, 4; Plain Titmouse, 12; Mockingbird, 16; Varied Thrush, 10; Western Bluebird, 12; Mountain Bluebird, 4; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 8; Hutton's Vireo, 2; Myrtle Warbler, 2; Audubon's Warbler, 7; House Sparrow, 31; Western Meadowlark, 239; Redwinged Blackbird, 13; Brewer's Blackbird, 651; Purple Finch, 166 [no details—Ed.]; House Finch, 74; Am. Goldfinch, 9; Rufous-sided Towhee, 2; Brown Towhee, 9; Lark Sparrow, 50; Oregon Junco, 65; White-crowned Sparrow, 471; Golden-crowned Sparrow, 99; Song Sparrow, 6. **Total,** 55 species; about 13,705 individuals. [Tufted Titmouse, 5 removed from list—Ed.]—Gertrude Cable (compiler, Mildred Hampton, Dr. and Mrs. Jerome M. Hershman, Mr. and Mrs. Allen Trimble, Leona Van Antwerp, Tunia Vandenbout.

605. **Monterey Peninsula, Calif.** (all points within a 15-mile diameter circle, center same since 1949; ocean and bays 10%, rocky shores 9%, beaches and mud flats 6%, lagoons, ponds and lakes 3%, marshes and tule swamps 4%, streambottom thickets 7%, open fields and golf courses 10%, low brush and chaparral 5%, tall brush 3%, oak grove 5%, pine woods 21%, coast redwood 3%, 14%=?—Ed.).—Dec. 27; 6:30 a.m. to 7 p.m. Clear; temp. 41° to 61°; wind N, 0-15 m.p.h. Nine observers in 7 parties. Total party-hours, 53 (35 on foot, 18 by car); total party-miles, 112 (25 on foot, 87 by car). ► Common Loon, 16; Arctic Loon, 26; Red-throated Loon, 12; Red-necked Grebe, 5; Horned Grebe, 37; Eared Grebe, 130; Western Grebe, 83; Pied-billed Grebe, 13; **Sooty Shearwater, 1** (L.W.); Brown Pelican, 42; Brandt's Cormorant, 150; Pelagic Cormorant, 237; Great Blue Heron, 2; Black-crowned Night Heron, 6; Whistling Swan, 1; Canada Goose, 3; Black Brant, 2; Mallard, 40; Gadwall, 3; Pintail, 9; Am. Widgeon, 24; Shoveler, 38; Redhead, 1; Ring-necked Duck, 4; Canvasback, 74; Lesser Scaup, 11; Common Goldeneye, 20; Bufflehead, 22; White-winged Scoter, 78; Surf Scoter, 256; Common Scoter, 2; Ruddy Duck, 149; Red-breasted Merganser, 35; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Sparrow Hawk, 11; California Quail, 65; Virginia Rail, 4; Sora, 1; Am. Coot, 178; Black Oystercatcher, 15; Snowy Plover, 22; Killdeer, 91; Black-bellied Plover, 9; Surfbird, 9; Ruddy Turnstone, 3; Black Turnstone, 192; Common Snipe, 17; Spotted Sandpiper, 3; Willet, 88; Least Sandpiper, 1; Western Sandpiper, 2; Marbled Godwit, 12; Sanderling, 518; Glaucous-winged Gull, 194; Western Gull, 244; Herring Gull, 26; California Gull, 828; Ring-billed Gull, 3; Mew Gull, 306; Heermann's Gull, 473; Common Murre, 7; Rhinoceros Auklet, 10; Band-tailed Pigeon, 341; Mourning Dove, 19; Roadrunner, 1; Barn Owl, 1; Great Horned Owl, 3; Pygmy Owl, 4; Saw-whet Owl, 1; White-throated Swift, 8; Anna's Hummingbird, 14; Belted Kingfisher, 9; Red-shafted Flicker, 22; Acorn Woodpecker, 97; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 7; Nuttall's Woodpecker, 2; Black Phoebe, 19; Say's Phoebe, 2; Horned Lark, 90; Steller's Jay, 26; Scrub Jay, 83; Yellow-billed Magpie, 8; Common Crow, 47; Chestnut-backed Chickadee, 55; Plain Titmouse, 1; Common Bushtit, 63; Pigmy Nuthatch, 89; Brown Creeper, 2; Wrentit, 13; Winter Wren, 2; Bewick's Wren, 8; Mockingbird, 3; Robin, 109; Varied Thrush, 20; Hermit Thrush, 36; Western Bluebird, 9; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 19; Water Pipit, 122; Cedar Waxwing, 196; Loggerhead Shrike, 10; Starling, 12; Hutton's Vireo, 18; Orange-crowned Warbler, 2; Myrtle Warbler, 2; Audubon's Warbler, 170; Townsend's Warbler, 26; **Hermit Warbler, 1** (L.W.); Yellowthroat, 2; House Sparrow, 88; Western Meadowlark, 43; Redwinged Blackbird, 1203; Tricolored Blackbird, 181; Brewer's Blackbird, 684; Brown-headed Cowbird, 4; Purple Finch, 18; House Finch, 1071; Am. Goldfinch, 40; Lesser Goldfinch, 68; Rufous-sided Towhee, 26; Brown Towhee, 22; Oregon Junco, 119; White-crowned Sparrow, 228; Golden-crowned Sparrow, 271; Fox Sparrow, 37; Lincoln's Sparrow, 1; Song Sparrow, 40. **Total,** 132 species; about 10,827 individuals. (Seen in area count period, but not on count day: Wandering Tattler, Red Crossbill.)—Arthur Lyon Dahl, Milton Frinkie, Louise Hatton, Elmer E. Highley (compiler), Alva Lamont, George P. Lamont, Robert Rickleffs, Jr., Laidlaw O. Williams, Vern Yaden.

606. **Morongo Valley, Calif.** (all points within a 15-mile diameter circle, center 5 miles northeast of Morongo Valley on Twenty-nine Palms Highway; riparian woodland, marshes, ponds 5%, high desert valleys 60%, canyons leading from desert to and including mountain plant associations 35%).—Dec. 23; 6 a.m. to 5 p.m. Clear; temp. 50° to 76°; wind E, 0-18 m.p.h.; previous weeks unusually cold. Five observers in 2 parties. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 66 (11 on foot, 55 by car). ► **Eared Grebe, 1** (carefully identified); Pied-billed Grebe, 2; Ruddy Duck, 3; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Am. Coot, 16; Roadrunner, 3; Screech Owl, 1; Red-shafted Flicker, 3; Ladder-backed Woodpecker, 3; Nuttall's

Woodpecker, 5 (all woodpeckers carefully identified); Black Phoebe, 1; Say's Phoebe, 1; Scrub Jay, 7; Common Raven, 1; Mountain Chickadee, 1; Plain Titmouse, 1; Verdin, 10; Common Bushtit, 10; Wrentit, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 2; Rock Wren, 1; Mockingbird, 5; Crissal Thrasher, 1; Hermit Thrush, 1; Western Bluebird, 7; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 20; Phainopepla, 1; Loggerhead Shrike, 6; Audubon's Warbler, 15; House Sparrow, 3; Purple Finch, 2; House Finch, 5; Pine Siskin, 10; Lesser Goldfinch, 5; Brown Towhee, 2; Lark Sparrow, 1; Black-throated Sparrow, 1; Sage Sparrow, 1; Oregon Junco, 6; Brewer's Sparrow, 5; White-crowned Sparrow, 182; **White-throated Sparrow, 2** (all field marks); Song Sparrow, 6 (1 Mountain). **Total,** 47 species (1 additional race); about 369 individuals. (Seen in area count period, but not on count day: Turkey Vulture, Gambel's Quail, Great Horned Owl, Anna's Hummingbird.)—Donald Christensen, J. Marvin Whitney, Judson H. Whitney, Merle J. Whitney (compiler).

607. Morro Bay, Calif. (all points within a 15-mile diameter circle, center on Hollister Peak as in 1959; cultivated valleys with willows 30%, ocean beach 20%, salt-water bay and shores 15%, mesas and rocky cliffs along ocean 10%, open chaparral-covered slopes 10%, narrow valleys with steep brushy sides 5%, steep boulder-covered canyons 5%, fresh-water lake 5%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Clear; temp. 26° to 62°; wind NE, 5-30 m.p.h. Sixteen observers in 9 parties. Total party-hours, 69; total party-miles, 107 (32 on foot, 75 by car). ► Common Loon, 6; Arctic Loon, 10; Red-throated Loon, 38; Horned Grebe, 6; Eared Grebe, 14; Western Grebe, 229; Pied-billed Grebe, 8; White Pelican, 114; Brown Pelican, 11; Double-crested Cormorant, 8; Brandt's Cormorant, 29; Pelagic Cormorant, 78; Great Blue Heron, 25; Common Egret, 11; Snowy Egret, 4; Black-crowned Night Heron, 8; Black Brant, 166; Snow Goose, 1; Gadwall, 1; Pintail, 168; Green-winged Teal, 116; **Blue-winged Teal, 2**; Cinnamon Teal, 20; Am. Widgeon, 133; Shoveler, 54; Canvasback, 147; Lesser Scaup, 180; Common Goldeneye, 2; Bufflehead, 68; White-winged Scoter, 149; Surf Scoter, 84; Ruddy Duck, 227; Red-breasted Merganser, 5; Turkey Vulture, 56; **Goshawk, 1**; Cooper's Hawk, 4; Red-tailed Hawk, 20; Red-shouldered Hawk, 2; Golden Eagle, 3; Marsh Hawk, 1; **Osprey, 1**; Peregrine Falcon, 3; Pigeon Hawk, 3; Sparrow Hawk, 44; California Quail, 273; Virginia Rail, 7 (C.T.); Sora, 1; Am. Coot, 390; Black Oystercatcher, 28; Semipalmated Plover, 2; Snowy Plover, 30; Killdeer, 40; Black-bellied Plover, 26; Surfbird, 8; Black Turnstone, 32; Common Snipe, 1; Long-billed Curlew, 9; Whimbrel, 5; Spotted Sandpiper, 1; **Wandering Tattler, 1**; Willet, 315; Greater Yellowlegs, 2; Least Sandpiper, 133; Dunlin, 160; Short-billed Dowitcher, 103; Western Sandpiper, 121; Marbled Godwit, 155; Sanderling, 119; Am. Avocet, 155; **Glaucous Gull, 2** (carefully identified—Stultz party); Glaucous-winged Gull, 66; Western Gull, 158; Herring Gull, 125; California Gull, 22; Ring-billed Gull, 75; Mew Gull, 19; Bonaparte's Gull, 5; Heermann's Gull, 9; **Black-legged Kittiwake, 12** (Small); Forster's Tern, 11; Royal Tern, 1; **Common Murre,** 4 (A.S.); Band-tailed Pigeon, 760; Mourning Dove, 246; Roadrunner, 1; Barn Owl, 1; Great Horned Owl, 3; Burrowing Owl, 1; White-throated Swift, 114; Anna's Hummingbird, 24; Belted Kingfisher, 8; Red-shafted Flicker, 30; Acorn Woodpecker, 12; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Nuttall's Woodpecker, 6; **Western Kingbird, 2** (C.T.); Cassin's Kingbird, 1; Black Phoebe, 16; Say's Phoebe, 15; **Western Flycatcher, 1** (carefully identified—Stultz party); Horned Lark, 174; **Tree Swallow, 1**; Steller's Jay, 2; Scrub Jay, 43; Yellow-billed Magpie, 6; Common Raven, 1; Common Crow, 55; Chestnut-backed Chickadee, 4; Plain Titmouse, 15; Common Bushtit, 142; White-breasted Nuthatch, 2; Wrentit, 29; House Wren, 10; Bewick's Wren, 5; Long-billed Marsh Wren, 5; Rock Wren, 2; Mockingbird, 10; California Thrasher, 49; Robin, 8; **Varied Thrush, 6**; Hermit Thrush, 17; Western Bluebird, 35; Mountain Bluebird, 25; **Black-tailed Gnatcatcher, 1** (daily in M.E. garden); Ruby-crowned Kinglet, 13; Water Pipit, 203; Cedar Waxwing, 34; Loggerhead Shrike, 11; Hutton's Vireo, 23; Orange-crowned Warbler, 2; **Myrtle Warbler, 3**; Audubon's Warbler, 238; Townsend's Warbler, 1; Yellowthroat, 7; House Sparrow, 134; Western Meadowlark, 106; Redwinged Blackbird, 160; Tricolored Blackbird, 100; Brewer's Blackbird, 1239; Brown-headed Cowbird, 1; blackbird (sp.), 3000+; Purple Finch, 50; Cassin's Finch, 13; House Finch, 2562; Pine Siskin, 12; Am. Goldfinch, 60; Lesser Goldfinch, 8; Lawrence's Goldfinch, 27; Rufous-sided Towhee, 53; Brown Towhee, 81; Savannah Sparrow, 75; Lark Sparrow, 9; Rufous-crowned Sparrow, 7; Sage Sparrow, 1; Oregon Junco, 35; **Black-chinned Sparrow, 1** (daily in M.E. garden); White-crowned Sparrow, 735; Golden-crowned Sparrow, 349; Fox Sparrow, 31; Lincoln's Sparrow, 2; Song Sparrow, 24. **Total,** 162 species; about 16,191 individuals. (Seen in area count period, but not on count day: Cañon Wren, **White-throated Sparrow**.)—Mrs. Margaret Bender, Arthur G. Butzbach, Mrs. Caroline Daugherty, Paul Dougherty, Mrs. Madelyn Eccleston, Mrs. Frida Knight, Eben McMillan, Michael Rynne, Mark Shinbrot, Arnold Small, Arthur J. Stobbe, Mrs. Alma Stultz (compiler), Ted Swailes, C. F. Tolman.

608. Oakland, Calif. (all points within a 15-mile diameter circle, center at Moraga Ave. and Estates Drive as in 1939 and subsequent years; bay and harbor 7%, sand-mud flats and bayshore 9%, salt marshes and tide channels 2%, brackish lakes 4%, fresh-water lakes 7%, open fields 8%, brushy areas 15%, oak-laurel-madrone forests 18%, coniferous forests 8%, city parks and residential areas 22%).—Dec. 31; 4 a.m. to 5 p.m. Fog over bay and shore, clear other parts; temp. 27° to 47°; wind NW to NE, 1-15 m.p.h. Forty-seven observers in 14 parties. Total party-hours, 189 (152 on foot, 34 by car, 3 by boat); total party-miles, 429 (81 on foot, 327 by car, 21 by boat). ► Common Loon, 2; Arctic Loon, 2; Red-throated Loon, 6; loon (sp.), 4; Horned Grebe, 36; Eared

Grebe, 51; Western Grebe, 51; Pied-billed Grebe, 47; White Pelican, 1; Double-crested Cormorant, 18; Great Blue Heron, 10; Common Egret, 4; Snowy Egret, 26; Black-crowned Night Heron, 5; Canada Goose, 1130; Mallard, 327; Pintail, 511; Green-winged Teal, 45; **Cinnamon Teal, 1**; Am. Widgeon, 745; Shoveler, 82; Wood Duck, 3; Redhead, **13**; Ring-necked Duck, 95; Canvasback, 4712; Greater Scaup, 126; Lesser Scaup, 115; scaup (sp.), 1009; Common Goldeneye, 313; Bufflehead, 156; White-winged Scoter, 381; Surf Scoter, 1205; Common Scoter, 4; scoter (sp.), 944; Ruddy Duck, 949; Hooded Merganser, 10; Common Merganser, 27; Red-breasted Merganser, 35; Turkey Vulture, 15; Sharp-shinned Hawk, 6; Cooper's Hawk, 1; Red-tailed Hawk, 30; Sparrow Hawk, 28; California Quail, 297; Ring-necked Pheasant, 1; Clapper Rail, 5; Sora, 1; Am. Coot, 1117; Semipalmated Plover, 72; Snowy Plover, 29; Killdeer, 180; Black-bellied Plover, 950; Ruddy Turnstone, 6; Black Turnstone, 16; Common Snipe, 11; Long-billed Curlew, 52; Whimbrel, 12; Spotted Sandpiper, 3; Willet, 1297; Greater Yellowlegs, 9; **Knot, 7** (carefully by R.H.); Least Sandpiper, 727; Dunlin, 5804; Short-billed Dowitcher, 257; Long-billed Dowitcher, 19; dowitcher (sp.), 500; Western Sandpiper, 6334; Marbled Godwit, 772; Sanderling, 691; Am. Avocet, 1029; Glaucous-winged Gull, 1045; Western Gull, 286; Herring Gull, 75; California Gull, 407; Ring-billed Gull, 699; Mew Gull, 40; Bonaparte's Gull, 210; gull (sp.), 204; Forster's Tern, 12; Band-tailed Pigeon, **623**; Mourning Dove, 94; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 29; **Pygmy Owl, 1** (heard day before also); Burrowing Owl, 1; Short-eared Owl, 5; **Saw-whet Owl, 2**; White-throated Swift, **40**; Anna's Hummingbird, 101; Belted Kingfisher, 3; Red-shafted Flicker, 197; Acorn Woodpecker, 53; **Lewis' Woodpecker, 1** (H.A., L.F.); Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 12; Nuttall's Woodpecker, 6; Black Phoebe, 13; Say's Phoebe, 2; Horned Lark, 19; **Tree Swallow, 1**; Steller's Jay, 211; Scrub Jay, 505; Common Crow, 3; Chestnut-backed Chickadee, 102; Plain Titmouse, 90; Common Bushtit, 486; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 48; Brown Creeper, 8; Wrentit, 275; **House Wren, 1** (all Dec.); Winter Wren, 3; Bewick's Wren, 31; Mockingbird, 31; California Thrasher, 12; Robin, 11,740; Varied Thrush, **1223** (previous high 308); Hermit Thrush, 153; Western Bluebird, 42; Golden-crowned Kinglet, 76; Ruby-crowned Kinglet, 80; Water Pipit, 154; Cedar Waxwing, 849; Loggerhead Shrike, 16; Starling, 82; Hutton's Vireo, 10; **Nashville Warbler, 1** (at feeder—H.A., L.F.); Myrtle Warbler, 40; Audubon's Warbler, 146; **Yellowthroat, 1** (rare in winter in count area); House Sparrow, 388; Western Meadowlark, 360; Redwinged Blackbird, **4281**; Tricolored Blackbird, 2; Brewer's Blackbird, 1677; Brown-headed Cowbird, 6; **Summer Tanager, 1** (I.T. feeder, present to Jan. 29, numerous observers); **Evening Grosbeak, 11** (several days in Dec.); Purple Finch, 101; House Finch, 1315; Pine Siskin, 203; Am. Goldfinch, 71; Lesser Goldfinch, 146; **Lawrence's Goldfinch, 2** (P.O.); Rufous-sided Towhee, 262; Brown Towhee, 672; Savannah Sparrow, 29; Lark Sparrow, 1; Rufous-crowned Sparrow, 2; **Slate-colored Junco, 1**; Oregon Junco, **2347**; White-crowned Sparrow, 1833; Golden-crowned Sparrow, 1102; White-throated Sparrow, **5** (at 3 feeders); Fox Sparrow, 204; Lincoln's Sparrow, 8; Song Sparrow, 177. **Total,** 154 species; about 69,-315 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Yellow-shafted Flicker.) —Harry Adamson, Betty Adamson, Duane Carmony, Herold Connon, Paul Covel, A. Laurence Curl, Albert Boles, Diana Brown, Lynn Farrar, Richard T. Holmes, Mrs. Duane Jones, Mrs. Junea Kelly, Fairly Lang, L. Richard Leinbach, Phyllis Lindley, James Linford, Jack Mann, Marie Mans (compiler), Gardner Marshall, R. Guy McCaskie, Mrs. Ruth McEvoy, Dave Nichols, Paul Opler, Glenn Petersen, Eleanor Pugh, Arnim Ramel, Sandre Segler, Mary Smith, Beth Snyder, Natalie Snyder, Lee Stallcup, Jean Stallcup, John Thomas, Pauline Thomas, C. G. Thompson, Inez Troxell, Hermine Van Gelder, Peter Veitch, John Wallace, Minnie Young (Golden Gate Audubon Society).

609. Oceanside–Vista, Calif. (all points within a 15-mile diameter circle, center 3 miles south of Vista; groves and landscaped grounds 20%, reservoirs 5%, brackish lagoon and tule marsh 20%, salt-water slough 5%, dry river with brush and cottonwood-willow margins 15%, grassy and cultivated valley lands 15%, chaparral hills 10%, oak-sycamore canyons 5%, ocean shore 5%).—Dec. 31; 8 a.m. to 5:30 p.m. Clear; temp. 35° to 65°; wind NE, 0-5 m.p.h. Twelve observers in 4 parties. Total party-hours, 38 (26 on foot, 12 by car); total party-miles, 130 (10 on foot, 120 by car). ► Arctic Loon, 1; Horned Grebe, 6; Eared Grebe, 20; Western Grebe, 9; Pied-billed Grebe, 9; Pelagic Cormorant, 9; Great Blue Heron, 5; Common Egret, 4; Snowy Egret, 7; Black-crowned Night Heron, 5; Am. Bittern, 1; Canada Goose, 1; Mallard, 9; Pintail, 33; Green-winged Teal, 3; Cinnamon Teal, 27; Am. Widgeon, 3; Shoveler, 255; Redhead, 1; Lesser Scaup, 221; Bufflehead, 23; Surf Scoter, 8; Common Scoter, 3; Ruddy Duck, 312; Turkey Vulture, 2; White-tailed Kite, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 36; Red-shouldered Hawk, 4; Golden Eagle, 5; Marsh Hawk, 7; Sparrow Hawk, 63; California Quail, 12; Ring-necked Pheasant, 9; Sora, 1; Common Gallinule, 3; Am. Coot, 755; Semipalmated Plover, 4; Killdeer, 67; Black-bellied Plover, 6; Long-billed Curlew, 2; Whimbrel, 2; Spotted Sandpiper, 1; Willet, 8; Greater Yellowlegs, 1; Lesser Yellowlegs, 1; Least Sandpiper, 3; Western Sandpiper, 15; Marbled Godwit, 3; Sanderling, 11; Western Gull, 112; California Gull, 60; Ring-billed Gull, 280; Heermann's Gull, 1; Forster's Tern, 50; Royal Tern, 1; Mourning Dove, 63; Roadrunner, 2; Barn Owl, 2; Burrowing Owl, 8; Anna's Hummingbird, 5; Belted Kingfisher, 3; Red-shafted Flicker, 30; Acorn Woodpecker, 4; Yellow-bellied Sapsucker, 3; Nuttall's Woodpecker, 6; Cassin's Kingbird, 4; Black Phoebe, 21; Say's Phoebe, 15; Horned Lark, 50; Tree Swallow, 6; Scrub Jay, 22; Common Raven, 81; Common Crow, 26; Common Bushtit, 92; Wrentit, 12; House Wren, 1; Long-billed Marsh Wren, 4;

Mockingbird, 47; California Thrasher, 6; Robin, 74; **Varied Thrush, 1** (D.W. party); Hermit Thrush, 8; Western Bluebird, 17; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 12; Water Pipit, 21; Cedar Waxwing, 42; Loggerhead Shrike, 42; Orange-crowned Warbler, 1; Audubon's Warbler, 140; Yellowthroat, 2; House Sparrow, 63; Western Meadowlark, 113; Redwinged Blackbird, 422; Brewer's Blackbird, 500; Brown-headed Cowbird, 52; House Finch, 548; Am. Goldfinch, 4; Lesser Goldfinch, 45; Rufous-sided Towhee, 10; Brown Towhee, 59; Savannah Sparrow, 16; Lark Sparrow, 67; Oregon Junco, 48; Chipping Sparrow, 2; White-crowned Sparrow, 456; Song Sparrow, 33. **Total,** 109 species; about 5826 individuals. [Tree Sparrow, 1 submitted with no details and not even underlined as unusual removed from list—Ed.] (Seen in area count period, but not on count day: Green Heron, Rough-legged Hawk, Great Horned Owl.)—Christian H. Cell, Pat Flanagan, John Herr, L. Claire Hulbert, Mildred Lorenzan, Mr. and Mrs. G. L. McVey, Eugene Mielcarek, Mr. and Mrs. Boyd Robinson, Dorothy H. Thompson, Dale T. Wood (compiler).

610. Orange County (central and coastal), Calif. (all points within a 15-mile diameter circle, center on Huntington Beach, including from Seal Beach to Corona del Mar, inland to Santa Ana; ocean 20%, fields 25%, salt marsh 10%, mud flat 20%, pastures 5%, urban 20%).—Dec. 29; 8 a.m. to 5 p.m. Mostly sunny; temp. 59° to 69°; wind NE, 20 m.p.h. Thirty-seven observers in 9 parties. Total party-hours, 73 (30 on foot, 40 by car, 3 by boat); total party-miles, 275 (23 on foot, 237 by car, 15 by boat). ► **Arctic Loon,** 1; Red-throated Loon, **5**; Horned Grebe, 48; Eared Grebe, 59; Western Grebe, 36; Pied-billed Grebe, 42; **Fulmar, 2**; **Sooty Shearwater, 12**; **petrel (sp.), 1** (pelagic species by Comby boat party); Brown Pelican, 2; Double-crested Cormorant, 24; Brandt's Cormorant, 1; Great Blue Heron, 24; Green Heron, 1; Common Egret, 72; Snowy Egret, 70; Canada Goose, 40; Mallard, 15; Gadwall, **36**; Pintail, **15,102**; Green-winged Teal, 41; Cinnamon Teal, 9; Am. Widgeon, 3126; Shoveler, 885; **Redhead, 9** (F.B., G.S.); **Greater Scaup, 20** (F.R. party); Lesser Scaup, 332; Bufflehead, 21; White-winged Scoter, 138; Surf Scoter, 2957; **Common Scoter, 76** (carefully—L.C.); Ruddy Duck, 190; Red-breasted Merganser, 3; Turkey Vulture, 24; White-tailed Kite, 9; Cooper's Hawk, 1; Red-tailed Hawk, 24; Red-shouldered Hawk, 1; **Rough-legged Hawk, 2**; Marsh Hawk, 107; **Prairie Falcon, 1**; Sparrow Hawk, 68; Ring-necked Pheasant, 1; Am. Coot, 2283; Semipalmated Plover, 33; Snowy Plover, 17; Killdeer, 464; Mountain Plover, 121; Black-bellied Plover, 309; Common Snipe, **206** (200 in gun club area); Long-billed Curlew, 121; Whimbrel, 13; Spotted Sandpiper, 1; Willet, 699; Greater Yellowlegs, 33; Least Sandpiper, 1270; Dunlin, 1136; Long-billed Dowitcher, 373; Western Sandpiper, 1394; Marbled Godwit, 304; Sanderling, 839; Am. Avocet, 200; Black-necked Stilt, 14; **Red Phalarope, 46**; **Parasitic Jaeger, 1** (Comby party); Western Gull, 431; Herring Gull, 105; California Gull, 120; Ring-billed Gull, 7081; Bonaparte's Gull, **1723** (most on ocean trip); Heermann's Gull, 39; Forster's Tern, 249; Caspian Tern, 1; Mourning Dove, 1412; Spotted Dove, 39; Roadrunner, 5; Burrowing Owl, 6; Anna's Hummingbird, 38; Belted Kingfisher, 4; Red-shafted Flicker, 14; Cassin's Kingbird, 7; Black Phoebe, 9; Say's Phoebe, 6; Horned Lark, 96; Scrub Jay, 10; Common Raven, 1; Common Crow, 124; Common Bushtit, 34; Bewick's Wren, 3; Cactus Wren, 5; Mockingbird, 40; Hermit Thrush, 2; Ruby-crowned Kinglet, 5; Water Pipit, 2727; Cedar Waxwing, 187; Loggerhead Shrike, 43; **Starling, 10** (perhaps new to county); Orange-crowned Warbler, 1; Audubon's Warbler, 702; Western Meadowlark, 751; **Yellow-headed Blackbird, 12** (I.M.); Redwinged Blackbird, 1186; **Hooded Oriole, 4** (at feeders); Brewer's Blackbird, 1386; Brown-headed Cowbird, 92; House Finch, 10,592; Am. Goldfinch, 199; Lesser Goldfinch, 1262; Brown Towhee, 23; Savannah Sparrow, 1293 (4 Belding's); Oregon Junco, 25; White-crowned Sparrow, 8081; Fox Sparrow, 2; Song Sparrow, 97. **Total,** 114 species (1 additional race); about 73,799 individuals. (Seen in area count period, but not on count day: Am. Bittern, Clapper Rail, **Virginia Rail**, **Ground Dove**, Short-eared Owl, **Golden-crowned Kinglet**, Yellowthroat.)—George Ball, Robert Ball, Frances Barrett, Frank Brackett, Josephine Bull, Erna Comby, J. H. Comby, Lillian Crum, Nancy Crum, Susanna Dahill, John DeWitt, Paul Engen, Toni Gach, Charles Hanson, Thomas Herbert, Esther Johnson, John Johnson, Orville Johnson, Ruth Johnson, Velma Kochendorfer, Harry Marshall, Irving Meyer, Victor Novander, Louella Pierce, Vanche Plumb, Francis Raymond, Edith Sanford, Georgiana Sanford, Myrtle Sawyer, Gertrude Siptroth, Fern Zimmerman (compiler) (Sea and Sage Audubon Society).

611. Orange County (northeastern), Calif. (all points within a 15-mile diameter circle, center at Bolero Lookout, including Lemon Heights, Irvine Park, O'Neill Park, Tucker Sanctuary, and Peter's, Santiago, Black Star, Silverado, Trabuco Canyons; fields 10%, grassland 30%, chaparral 40%, oak-sycamore woodland 20%).—Dec. 26; 8 a.m. to 5 p.m. Mostly sunny; temp. 50° to 73°; wind NW, 9 m.p.h. Forty-one observers in 10 parties. Total party-hours, 80 (47 on foot, 33 by car); total party-miles, 215 (42 on foot, 173 by car). ► Pied-billed Grebe, 25; Great Blue Heron, 6; Black-crowned Night Heron, 2; Canada Goose, 31; Mallard, 4; Green-winged Teal, 1; Am. Widgeon, 1; Shoveler, 2; **Redhead, 1**; Ring-necked Duck, 27; Canvasback, 165; Lesser Scaup, 53; Ruddy Duck, 276; Turkey Vulture, 44; White-tailed Kite, 3; Cooper's Hawk, 1; Red-tailed Hawk, 43; Red-shouldered Hawk, 11; **Swainson's Hawk, 1**; Golden Eagle, 1; Marsh Hawk, 2; Prairie Falcon, 3; Sparrow Hawk, 64; California Quail, **681**; Ring-necked Pheasant, 5; Am. Coot, 416; Killdeer, 34; Common Snipe, 5; Spotted Sandpiper, 1; Greater Yellowlegs, 2; Least Sandpiper, 5; Dunlin, 10; Western Sandpiper, 24; Band-tailed Pigeon, 7; Mourning Dove, 575; Spotted Dove, 18; Roadrunner, 3; Barn Owl, 1; Great Horned Owl, 3; White-throated Swift, 90; Anna's Hummingbird, 261; Red-shafted Flicker,

95; Acorn Woodpecker, 317; Yellow-bellied Sapsucker, 7 (1 Red-naped); Nuttall's Woodpecker, 8; Cassin's Kingbird, 18; Black Phoebe, 28; Say's Phoebe, 15; Horned Lark, 12; Scrub Jay, 208; Common Raven, 62; Common Crow, 618; Plain Titmouse, 101; Common Bushtit, 593; White-breasted Nuthatch, 8; Wrentit, 95; House Wren, 2; Bewick's Wren, 21; Cactus Wren, 1; Cañon Wren, 2; Mockingbird, 70; California Thrasher, 20; Robin, 394; Varied Thrush, 2; Hermit Thrush, 34; Western Bluebird, 193; Blue-gray Gnatcatcher, 5; Ruby-crowned Kinglet, 27; Water Pipit, 63; Cedar Waxwing, **1530**; **Phainopepla, 3** (J.B., E.S.); Loggerhead Shrike, 28; Orange-crowned Warbler, 1; Audubon's Warbler, 2224 (**1 albino**); Yellowthroat, 1; House Sparrow, 199; Western Meadowlark, 396; Redwinged Blackbird, 9; Brewer's Blackbird, 2156; Purple Finch, 73; House Finch, 1590; Am. Goldfinch, 72; Lesser Goldfinch, 193; Lawrence's Goldfinch, 79; Green-tailed Towhee, 1; Rufous-sided Towhee, 85; Brown Towhee, 424; Savannah Sparrow, 20; **Vesper Sparrow, 1** (H.M. party); Lark Sparrow, 386; Rufous-crowned Sparrow, 2; Oregon Junco, 387; Chipping Sparrow, 1; White-crowned Sparrow, 1147; Golden-crowned Sparrow, 22; Fox Sparrow, 21; Song Sparrow, 51. **Total,** 97 species (1 additional race); about 17,029 individuals. (Seen in area count period, but not on count day: Bufflehead, Osprey, Semipalmated Plover, dowitcher.) —Frances Barrett, Frank Brackett, Donald Bauman, Josephine Bull, Carolyn Campbell, Fern Cohen, Lillian Crum, Nancy Crum, Richard Dahill, Susanna Dahill, John DeWitt, Paul Engen, Norman Fleming, Ray Forrest, Jerry Gach, Toni Gach, Elvera Hasford, Esther Johnson, Orville Johnson, John Kochendorfer, Velma Kochendorfer, Mary Lehman, Harry Marshall, Irving Meyer, Victor Novander, Vanche Plumb, Louella Pierce, Francis Raymond, Dwight Roberts, Edith Sanford, Georgiana Sanford, Myrtle Sawyer, Robert Siptroth, Gertrude Siptroth, C. R. Staub, Kenneth Tanksley, John Tiffany, Sue Tiffany, Anna Trythall, Mabel Whiting, Fern Zimmerman (compiler) (Sea and Sage Audubon Society).

612. Palo Alto, Calif. (all points within a 15-mile diameter circle, center at Junipero Serra Blvd. and Page Mill Rd., including Palo Alto, Menlo Park, Atherton, Mountain View, Los Altos, part of San Francisco Bay in vicinity of Dumbarton Bridge and Palo Alto Yacht Harbor, to crest of Santa Cruz Mts.; town and suburbs 30%, bay 7%, tidal marsh 13%, oak-chaparral 21%, pasture and rolling grassland 10%, orchard and farmland 10%, redwood forest 4%, fresh-water lakes 5%).—Dec. 28; 7 a.m. to 4:45 p.m. Clear; temp. 30° to 48°; wind to 20 m.p.h. Seventeen observers in 5 parties. Total party-hours, 34 (19 on foot, 15 by car); total party-miles, 151 (8 on foot, 143 by car). ► Horned Grebe, 1; Western Grebe, 7; Pied-billed Grebe, 15; White Pelican, 110; Double-crested Cormorant, 520; Great Blue Heron, 6; Common Egret, 83; Snowy Egret, 20; Black-crowned Night Heron, 2; **White-fronted Goose, 8** (seen well); **Snow Goose, 1**; Mallard, 128; Gadwall, 6; Pintail, 1040; Green-winged Teal, 5; Am. Widgeon, 303; Shoveler, 71; Redhead, 61; Canvasback, 152; Greater Scaup, 15; Lesser Scaup, 3; scaup (sp.), 546; Common Goldeneye, 8; Bufflehead, 8; Ruddy Duck, **2339**; duck (sp.), 5000; Turkey Vulture, 5; White-tailed Kite, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Golden Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 20; California Quail, 283; Ring-necked Pheasant, 1; Clapper Rail, 5; Common Gallinule, 1; Am. Coot, 1495; Killdeer, 22; Black-bellied Plover, 42; Common Snipe, 1; Long-billed Curlew, 6; Willet, 500; Greater Yellowlegs, 7; Least Sandpiper, 306; Dunlin, 150; Short-billed Dowitcher, 147; Western Sandpiper, 272; Marbled Godwit, 70; Am. Avocet, **2840**; Black-necked Stilt, **69** (very high); **Red Phalarope, 1** (present 4 days); Glaucous-winged Gull, 70; Herring Gull, 250; Ring-billed Gull, 330; Mew Gull, 4; Bonaparte's Gull, 2183; gull (sp.), 1000; Forster's Tern, 3; Band-tailed Pigeon, 29; Mourning Dove, 212; Barn Owl, 2; Burrowing Owl, 2; Short-eared Owl, 4; Saw-whet Owl, 1; Anna's Hummingbird, 14; Belted Kingfisher, 4; Red-shafted Flicker, 45; Acorn Woodpecker, 72; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 5; Black Phoebe, 2; Say's Phoebe, 2; **empidonax (sp.), 1**; Steller's Jay, 49; Scrub Jay, 167; Chestnut-backed Chickadee, 62; Plain Titmouse, 38; Common Bushtit, 472; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 2; Wrentit, 22; Bewick's Wren, 11; Long-billed Marsh Wren, 3; Mockingbird, 26; California Thrasher, 3; Robin, 1854; Varied Thrush, 62; Hermit Thrush, 10; Western Bluebird, 5; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 27; Water Pipit, 221; Cedar Waxwing, 437; Loggerhead Shrike, 7; **Starling, 165** (first record!); Hutton's Vireo, 10; Myrtle Warbler, 4; Audubon's Warbler, 208; **Black-throated Gray Warbler, 1** (at 15 ft.—E.B., J.S.); Townsend's Warbler, 8; Yellowthroat, 8; House Sparrow, 184; Western Meadowlark, 55; Redwinged Blackbird, 169; Brewer's Blackbird, 1120; Brown-headed Cowbird, 32; Purple Finch, 4; House Finch, 1298; Pine Siskin, 102; Am. Goldfinch, 183; Lesser Goldfinch, 371; **Red Crossbill, 168**; Rufous-sided Towhee, 20; Brown Towhee, 198; Savannah Sparrow, 65; Oregon Junco, 182; White-crowned Sparrow, 103; Golden-crowned Sparrow, 224; Fox Sparrow, 9; Lincoln's Sparrow, 4; Song Sparrow, 28. **Total,** 122 species; about 29,373 individuals. (Seen in area count period, but not on count day: Green Heron, Am. Bittern, California Gull.)—E. A. Albertson, Eliot Blackwelder, E. H. Bailey, David Gallagher, A. B. Griggs, W. K. Kirsher, R. H. Meade, C. F. Park, Jr., C. D. Rinehart, Sue Rinehart, Chico Roberts, R. J. Roberts, Julius Schlocker, N. J. Silberling, David Smith, W. C. Smith, R. E. Wallace (compiler).

613. Pardee Reservoir, Calif. (all points within a 15-mile diameter circle, center Pardee Reservoir; observations chiefly in wooded hills and riverbanks below Pardee Dam).—Dec. 26; 8:30 a.m. to 5:30 p.m. Dense fog and heavy overcast; temp. 39° to 40°; no wind. Four observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 23 (4 on foot, 19 by car). ► Canada Goose, 12; Turkey Vulture, 1; Red-tailed Hawk, 3; Sparrow Hawk, 2;

California Quail, 8; Am. Coot, 43; Killdeer, 12; Red-shafted Flicker, 3; Acorn Woodpecker, 6; Lewis' Woodpecker, 3; Scrub Jay, 8; Yellow-billed Magpie, 36; Mockingbird, 6; Robin, 14; Western Bluebird, 3; House Sparrow, 56; Western Meadowlark, 16; Redwinged Blackbird, 4; Brewer's Blackbird, 76; House Finch, 4; Savannah Sparrow, 42; Oregon Junco, 12; White-crowned Sparrow, 78; Fox Sparrow, 8. **Total,** 24 species; about 456 individuals.—David Bergantz, George Bergantz, Milton Bergantz (compiler), Joseph Maranise.

614. Pasadena, Calif. (all points within a 15-mile diameter circle, center at corner of Duarte Road and San Gabriel Blvd).—Dec. 28; 4 a.m. to 4:30 p.m. Clear; temp. 55° to 75°; wind 10-55 m.p.h. Forty-two observers in 16 parties. Total party-hours, 166 (142 on foot, 24 by car); total party-miles, 173 (102 on foot, 71 by car). ► Pied-billed Grebe, 15; Green Heron, 2; Common Egret, 1; Snowy Egret, 1; Least Bittern, 1; White-fronted Goose, 1; Mallard, 44; Pintail, 1; Green-winged Teal, 3; Cinnamon Teal, 3; Am. Widgeon, 2; Wood Duck, 1; Ring-necked Duck, 92; Canvasback, 6; Greater Scaup, 2; Lesser Scaup, 29; Ruddy Duck, 81; White-tailed Kite, 3; Cooper's Hawk, 2; Red-tailed Hawk, 10; Sparrow Hawk, 13; California Quail, 52; Mountain Quail, 14; Ring-necked Pheasant, 14; Am. Coot, 1769; Killdeer, 41; Common Snipe, 1; California Gull, 3; Ring-billed Gull, 130; Band-tailed Pigeon, 47; Mourning Dove, 531; Spotted Dove, 98; Barn Owl, 1; Great Horned Owl, 7; Pygmy Owl, 1; Burrowing Owl, 2; Short-eared Owl, 3; White-throated Swift, 12; Black-chinned Hummingbird, 6; Anna's Hummingbird, 42 (1 on nest); Belted Kingfisher, 2; Red-shafted Flicker, 103; Acorn Woodpecker, 58; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Nuttall's Woodpecker, 4; Black Phoebe, 19; Say's Phoebe, 1; Horned Lark, 1; Steller's Jay, 37; Scrub Jay, 257; Common Crow, 385; Mountain Chickadee, 25; Plain Titmouse, 43; Common Bushtit, 282; White-breasted Nuthatch, 2; Pigmy Nuthatch, 1; Wrentit, 53; House Wren, 1; Bewick's Wren, 6; Cactus Wren, 1; Cañon Wren, 3; Mockingbird, 155; California Thrasher, 23; Robin, 142; **Varied Thrush,** 17; Hermit Thrush, 44; Western Bluebird, 1; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 22; Water Pipit, 124; Cedar Waxwing, 250; Phainopepla, 1; Loggerhead Shrike, 15; Hutton's Vireo, 7; Orange-crowned Warbler, 2; Audubon's Warbler, 369; Yellowthroat, 2; Wilson's Warbler, 2; House Sparrow, 471; Western Meadowlark, 151; Redwinged Blackbird, 20; Brewer's Blackbird, 217; Cardinal, 4; Purple Finch, 95; Cassin's Finch, 1; House Finch, 1371; Pine Siskin, 61; Am. Goldfinch, 145; Lesser Goldfinch, 44; Lawrence's Goldfinch, 4; Green-tailed Towhee, 4; Rufous-sided Towhee, 104; Brown Towhee, 197; Lark Sparrow, 33; Rufous-crowned Sparrow, 1; **Slate-colored Junco, 1 (L.B.)**; Oregon Junco, 352; Chipping Sparrow, 10; White-crowned Sparrow, 449; Golden-crowned Sparrow, 6; Fox Sparrow, 1; Lincoln's Sparrow, 2; Song Sparrow, 82. **Total,** 107 species; about 9387 individuals. [Yellow-throated Warbler, 2 removed from list—Ed.]—Mrs. Dorothy Allen, Mrs. Kenneth Anderson, Mrs. Samuel Ayres, Jr., Richard Bernier, Leo Best, Frieda Blumenberg, Doris K. Bullion, Horace Chandler, Mr. and Mrs. J. M. Comby, Beverly Connolly, Ethel Craig, Bess Crawley, Mrs. Sue Foiren, William Goodall, Patrick Gould, Minnie Grover, Mr. and Mrs. Paul Howard, Mrs. Mary Hughes, Mrs. Mary Heussenstamm, Robert L. Lewis, Louise Luckan, Flora McIntyre, Mrs. F. N. Masemore (compiler), Myra Mercer, Mrs. Beulah Mills, Mr. and Mrs. Earl Minert, Mr. and Mrs. E. S. Nightingale, Margaret Otis, Dwight Powers, W. Dan Quattlebaum, Stephen B. Reichert, Earl Rugraff, Roberta Rumble, Mr. and Mrs. E. C. Sanders, Mrs. K. L. Smith, Richard Smith, Olga Stallfort, Dennis Stelzriede (Pasadena Audubon Society).

615. Redding, Calif. (all points within a 15-mile diameter circle, center 6 miles east of Redding; brushy, semi-wooded hillsides 10%, park 5%, river, lakes and fields 15%, farmland and pasture 50%, grassland with oaks, pine, and chaparral 20%).—Dec. 26; 7 a.m. to 5:30 p.m. Misty and overcast a.m., sunny p.m.; temp. 36° to 54°; little wind. Six observers in 3 parties. Total party-hours, 19 (12 on foot, 7 by car); total party-miles, 40 (8 on foot, 32 by car). ► Eared Grebe, 2; Pied-billed Grebe, 4; Double-crested Cormorant, 3; Great Blue Heron, 1; Whistling Swan, 70; Canada Goose, 5000; White-fronted Goose, 10,000; Mallard, 12; Pintail, 22; Am. Widgeon, 76; Wood Duck, 3; Redhead, 8; Ring-necked Duck, 50; Canvasback, 69; Lesser Scaup, 81; Common Goldeneye, 14; Bufflehead, 2; Ruddy Duck, 152; Red-breasted Merganser, 20; Turkey Vulture, 28; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Sparrow Hawk, 18; California Quail, 88; Ring-necked Pheasant, 1; Sandhill Crane, 10; Am. Coot, 625; Killdeer, 6; Common Snipe, 2; Spotted Sandpiper, 2; Mourning Dove, 222; Anna's Hummingbird, 2; Belted Kingfisher, 2; Red-shafted Flicker, 231; Acorn Woodpecker, 221; Lewis' Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 4; Black Phoebe, 2; Say's Phoebe, 2; Scrub Jay, 38; Yellow-billed Magpie, 85; Common Raven, 2; Common Crow, 650; Plain Titmouse, 26; White-breasted Nuthatch, 6; Brown Creeper, 1; Wrentit, 1; Winter Wren, 2; Mockingbird, 1; California Thrasher, 2; Robin, 2; Hermit Thrush, 4; Western Bluebird, 80; Ruby-crowned Kinglet, 24; Cedar Waxwing, 20; Loggerhead Shrike, 2; Audubon's Warbler, 5; House Sparrow, 126; Western Meadowlark, 400; Brewer's Blackbird, 1200; House Finch, 16; Am. Goldfinch, 2; Lesser Goldfinch, 87; Rufous-sided Towhee, 13; Brown Towhee, 8; Savannah Sparrow, 3; Lark Sparrow, 100; Oregon Junco, 177; White-crowned Sparrow, 1500; Golden-crowned Sparrow, 14; Fox Sparrow, 2; Lincoln's Sparrow, 2; Song Sparrow, 8. **Total,** 77 species; about 21,687 individuals.—Edward Frisbie, Mabel Frisbie, Frank Kester, Beatrice Nielsen, Georg Nielsen, Robert Todd (compiler) (Mount Lassen Bird Club).

616. Redlands, Calif. (all points within a 15-mile diameter circle, center in Mill Creek Canyon

west of Redlands as in past 8 years; forest, chaparral, fields, orchards, dry canyons, reservoirs).—Dec. 29; 7 a.m. to 5:30 p.m. Snowing a.m., melting immediately; temp. 32° to 62°; wind 6 m.p.h. Seventeen observers in 4 parties. Total party-hours, 31 (14 on foot, 17 by car); total party-miles, 114 (13 on foot, 101 by car). ► Canvasback, 7; Lesser Scaup, 33; Ruddy Duck, 18; Cooper's Hawk, 2; Red-tailed Hawk, 7; Golden Eagle, 1; Prairie Falcon, 1; Sparrow Hawk, 4; California Quail, 76; Killdeer, 2; Band-tailed Pigeon, 40; Mourning Dove, 5; Spotted Dove, 8; Roadrunner, 2; Screech Owl, 1; Great Horned Owl, 1; Black-chinned Hummingbird, 2; Anna's Hummingbird, 1; Red-shafted Flicker, 12; Acorn Woodpecker, 77; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Nuttall's Woodpecker, 6; Steller's Jay, 51; Scrub Jay, 65; Common Raven, 3; Common Crow, 53; Mountain Chickadee, 50; Plain Titmouse, 8; Common Bushtit, 15; White-breasted Nuthatch, 17; Pigmy Nuthatch, 7; Brown Creeper, 1; Wrentit, 18; Dipper, 3; **House Wren, 2**; Winter Wren, 2; Bewick's Wren, 1; Rock Wren, 2; Mockingbird, 10; California Thrasher, 5; Robin, 59; **Varied Thrush, 4**; Hermit Thrush, 8; Western Bluebird, 85; Townsend's Solitaire, 4; Ruby-crowned Kinglet, 12; Cedar Waxwing, 11; Phainopepla, 4; Loggerhead Shrike, 7; Orange-crowned Warbler, 3; Audubon's Warbler, 4; Yellowthroat, 1; House Sparrow, 24; Western Meadowlark, 34; Brewer's Blackbird, 363; Purple Finch, 11; Cassin's Finch, 119; House Finch, 24; Pine Siskin, 634; Lesser Goldfinch, 24; Lawrence's Goldfinch, 5; Rufous-sided Towhee, 14; Brown Towhee, 19; Savannah Sparrow, 1; Lark Sparrow, 41; Slate-colored Junco, 1; Oregon Junco, 135; Gray-headed Junco, 1; Chipping Sparrow, 41; White-crowned Sparrow, 66; Golden-crowned Sparrow, 16; Lincoln's Sparrow, 1; Song Sparrow, 12. **Total,** 74 species; about 2410 individuals.—Mrs. Stanley Goodman, Mrs. May Hess, Mildred Smith (compiler), Mary Ann Trenery, Joe Trenery, Leora Walker, Mrs. Ann Wissler, Bob Wright.

617. Sacramento, Calif. (all points within a 15-mile diameter circle, center at northeast corner of Sacramento Floodwater By-Pass approximately 3 miles west and a little north of confluence of Sacramento and American Rivers; town and suburbs 35%, open fields 52%, riparian woodland 5%, marsh 3%, open water 5%).—Jan. 2; 7 a.m. to 10 p.m. Heavy fog; temp. 25° to 35°; wind S, 1-4 m.p.h.; coldest Jan. 2 on record. Forty-nine observers in 18 parties. Total party-hours, 137 (53 on foot, 84 by car); total party-miles, 726 (49 on foot, 677 by car). ► Eared Grebe, 1; Western Grebe, 1; Pied-billed Grebe, 70; Great Blue Heron, 9; Green Heron, 2; Common Egret, 26; Black-crowned Night Heron, 1; Am. Bittern, 5; Whistling Swan, 11; Canada Goose, 6; White-fronted Goose, 45; Snow Goose, 75; Mallard, 144; Pintail, 89; Green-winged Teal, 6; Cinnamon Teal, 1; Am. Widgeon, 49; Shoveler, 508; Wood Duck, 4; Ring-necked Duck, 45; Canvasback, 50; Lesser Scaup, 31; Bufflehead, 3; Ruddy Duck, 75; White-tailed Kite, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 123; Red-shouldered Hawk, 5; **Swainson's Hawk, 1**; Rough-legged Hawk, 9; Ferruginous Hawk, 4; Golden Eagle, 1; Marsh Hawk, 45; Sparrow Hawk, 257; California Quail, 269; Ring-necked Pheasant, 47; Common Gallinule, 11; Am. Coot, 1638; Killdeer, 636; Black-bellied Plover, 18; Common Snipe, 4; Long-billed Curlew, 31; Spotted Sandpiper, 4; Greater Yellowlegs, 51; Lesser Yellowlegs, 17; Least Sandpiper, 7; Dunlin, 107; Long-billed Dowitcher, 79; Western Sandpiper, 50; Am. Avocet, 2; Herring Gull, 1; California Gull, 416; Ring-billed Gull, 25; gull (sp.), 334; Mourning Dove, 337; Barn Owl, 12; Screech Owl, 2; Great Horned Owl, 1; Burrowing Owl, 13; Long-eared Owl, 2; Short-eared Owl, 2; Anna's Hummingbird, 13; Belted Kingfisher, 11; Red-shafted Flicker, 413; Acorn Woodpecker, 41; Lewis' Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 16; Nuttall's Woodpecker, 28; Black Phoebe, 14; Horned Lark, 269; Scrub Jay, 284; Yellow-billed Magpie, 723; Common Crow, 14; Plain Titmouse, 47; Common Bushtit, 30; White-breasted Nuthatch, 1; House Wren, 4; Bewick's Wren, 6; Mockingbird, 96; Robin, 339; Varied Thrush, 32; Hermit Thrush, 27; Western Bluebird, 8; **Blue-gray Gnatcatcher, 1**; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 260; Water Pipit, 1544; Cedar Waxwing, 709; Loggerhead Shrike, 48; Starling, 296; Hutton's Vireo, 4; Orange-crowned Warbler, 1; Audubon's Warbler, 353; House Sparrow, 2777; Western Meadowlark, 704; Redwinged Blackbird, 1134; Tricolored Blackbird, 31; Brewer's Blackbird, 12,298; **Evening Grosbeak, 2**; Purple Finch, 17; **Cassin's Finch, 1** (at feeder days—E.P.); House Finch, 1040; Am. Goldfinch, 3364; Lesser Goldfinch, 173; Rufous-sided Towhee, 145; Brown Towhee, 70; Savannah Sparrow, 1769; Oregon Junco, 2702; Chipping Sparrow, 1; White-crowned Sparrow, 7753; Golden-crowned Sparrow, 1427; Fox Sparrow, 19; Song Sparrow, 37. **Total,** 113 species; about 46,966 individuals. (Seen in area count period, but not on count day: Brown Creeper.)—A. J. Argante, Willie Argante, Cora Baker, Florence Baker, Claudia Blake, Georgia Borchert, Phil Coleman, Mary Craycraft, G. P. Dangberg, Jack Dennison, Ben Eizenger, Marie Eizenger, Steve Eizenger, Don Fletcher, Michael Fry, Burgess Heacox (compiler), Truman Holtzman, Linda Hutchinson, Ruby Hutchinson, Clair Johnson, W. K. Kirsher, Alfred Knight, Margaret Knight, Dave Labhard, Lucy Labhard, Ted Labhard, Howard Leach, Ralph MacCormack, Alfrieda Meuser, Hal Michael, John Michael, Milton Moore, Mrs. Milton Moore, Helen Norbont, Bianca Pino, Wendell Pond, Rod Reynolds, Verna Reynolds, Al Rust, Bob Sanders, Bill Schaub, Madeline Sheridan, Victoria Sudsbury, Bruce Swinehart, Wordena Swisher, Gwenn Williams, Effie Yeaw.

618. San Bernardino, Calif. (all points within a 15-mile diameter circle, center near Inland Lake, including Warm Creek Wildlife Refuge, Santa Ana River wash, foothills of Del Rosa and San Bernardino; ponds and cattail marshes 10%, deciduous woods 25%, chaparral 40%, pasture 10%, suburbs and road sides 15%).—Dec. 26; 7:45 a.m. to 5 p.m. Clear; temp. 46° to 80°; wind 0-10 m.p.h.; no rainfall past month. Twenty-one observers in 8 parties. Total party-

hours, 67 (31 on foot, 36 by car); total party-miles, 165 (29 on foot, 136 by car). ► Eared Grebe, 2; Great Blue Heron, 1; Green-winged Teal, 3; Cinnamon Teal, 2; Shoveler, 1; Ring-necked Duck, 1; Canvasback, 1; Lesser Scaup, 3; Turkey Vulture, 2; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 16; Ferruginous Hawk, 2; Golden Eagle, 1; Prairie Falcon, 1; Sparrow Hawk, 30; California Quail, 162; Common Gallinule, 1; Am. Coot, 12; Killdeer, 88; Common Snipe, 11; Spotted Sandpiper, 2; Greater Yellowlegs, 1; Least Sandpiper, 34; Western Sandpiper, 2; Ring-billed Gull, 1; Band-tailed Pigeon, 4; Mourning Dove, 24; Spotted Dove, 136; Ground Dove, 5; Roadrunner, 3; Barn Owl, 1; Screech Owl, 2; **Burrowing Owl, 1**; White-throated Swift, 32; Black-chinned Hummingbird, **10** (3 parties); Anna's Hummingbird, 49; Red-shafted Flicker, 92; Acorn Woodpecker, 9; Yellow-bellied Sapsucker, 6; Nuttall's Woodpecker, 2; Black Phoebe, 21; Say's Phoebe, 16; Steller's Jay, 18; Scrub Jay, 129; Common Crow, 708; Mountain Chickadee, 18; Plain Titmouse, 3; Common Bushtit, 36; White-breasted Nuthatch, 5; Wrentit, 4; House Wren, 1; Bewick's Wren, 21; Cactus Wren, 6; Mockingbird, 167 (**1 albino**); California Thrasher, 10; Robin, 481; **Varied Thrush, 1** (Goodman party); Hermit Thrush, 18; Western Bluebird, 299; Mountain Bluebird, 15; Blue-gray Gnatcatcher, 1; **Golden-crowned Kinglet, 2**; Ruby-crowned Kinglet, 46; Water Pipit, 54; Cedar Waxwing, 414; Phainopepla, 12; Loggerhead Shrike, 23; Hutton's Vireo, 1; **Solitary Vireo, 1** (close study—J.V., B.W.); Orange-crowned Warbler, 3; Myrtle Warbler, 1; Audubon's Warbler, 324; Yellowthroat, 6; House Sparrow, 882; Western Meadowlark, 86; Redwinged Blackbird, 417; Brewer's Blackbird, 2282 (**1 albino**); Brown-headed Cowbird, 20; Purple Finch, 1; House Finch, 1251; Pine Siskin, 14; Am. Goldfinch, 23; Lesser Goldfinch, 101; Lawrence's Goldfinch, 11; Rufous-sided Towhee, 35; Brown Towhee, 150; Savannah Sparrow, 35; Lark Sparrow, 30; Sage Sparrow, 14; Oregon Junco, 121; Chipping Sparrow, 268; Brewer's Sparrow, 1; White-crowned Sparrow, 499; Golden-crowned Sparrow, 21; Fox Sparrow, 3; Song Sparrow, 49. **Total,** 97 species; about 9939 individuals.—Lucile Abbott, Eugene Cardiff, Richard F. Follett (compiler), Beatrice Forrest, John Goodman, Lee Goodman, Mildred Hamilton, May Hess, Mary L. Mangaoang, Zahydie Nieves, Fred Pierce, Daisy Shryock, Mildred Smith, Josiephine Vaughn, Leora Walker, Ethel West, Merle Whitney, Ann Wissler, Bob Wright, Harvard York, Vera Yount (San Bernardino Audubon Society).

619. San Diego, Calif. (all points within a 15-mile diameter circle, center at 30th St. and Ocean View Blvd.; ocean and rocky shores 10%, tide flats 11%, salt-water bays 17%, salt marshes 13%, fresh-water reservoirs and ponds 11%, open brushland 5%, dry brushy and rocky canyons 9%, willow stands along streams 1%, oak groves 1%, city parks 10%, suburban and backyards 12%).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 36° to 64°; wind W, 5-15 m.p.h.; coldest year since 1913! Thirty-six observers in 14 parties. Total party-hours, 121 (80 on foot, 34 by car, 7 by boat); total party-miles, 280 (185 on foot, 35 by car, 60 by boat). ► Common Loon, 55; Arctic Loon, 7; Red-throated Loon, 2; **Red-necked Grebe, 1**; Horned Grebe, 52; Eared Grebe, 361; Western Grebe, 507; Pied-billed Grebe, 18; **Black Petrel, 1** (carefully identified—A.W. party); Brown Pelican, 188; Double-crested Cormorant, 223; Brandt's Cormorant, 2040; Pelagic Cormorant, 5; Great Blue Heron, 24; Green Heron, 5; Common Egret, 46; Snowy Egret, 81; Black-crowned Night Heron, 2; Canada Goose, 4; Black Brant, 1573; Mallard, 2; Pintail, 72; Green-winged Teal, 126; Cinnamon Teal, 10; Am. Widgeon, 58; Shoveler, 95; Redhead, 2; Ring-necked Duck, 2; Canvasback, 4; Greater Scaup, 2; Lesser Scaup, **5478**; Common Goldeneye, 10; Bufflehead, 59; **Oldsquaw, 3** (seen well, with scoters); White-winged Scoter, **200**; Surf Scoter, 16,-280; Common Scoter, 3; Ruddy Duck, 870; Common Merganser, 1; Red-breasted Merganser, 80; White-tailed Kite, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 18; Golden Eagle, 3; Marsh Hawk, 4; **Osprey, 1**; Pigeon Hawk, 1; Sparrow Hawk, 30; California Quail, 51; Clapper Rail, 5; Sora, 2; Common Gallinule, 5; Am. Coot, 941; Semipalmated Plover, 22; Snowy Plover, 3; Killdeer, 141; Black-bellied Plover, 289; Ruddy Turnstone, 74; Black Turnstone, 33; Common Snipe, 32; Long-billed Curlew, 2; Whimbrel, 20; Spotted Sandpiper, 10; Wandering Tattler, 1; Willet, 573; Greater Yellowlegs, 14; Knot, 4; Least Sandpiper, 90; Dunlin, 430; Long-billed Dowitcher, 256; Western Sandpiper, 4472; Marbled Godwit, 666; Sanderling, 198; Am. Avocet, 223; Black-necked Stilt, 68; Red Phalarope, 2; Northern Phalarope, 40; Glaucous-winged Gull, 2; Western Gull, 997; Herring Gull, 166; California Gull, 61; Ring-billed Gull, 1694; Mew Gull, 3; Bonaparte's Gull, 627; Heermann's Gull, 109; Forster's Tern, 58; Common Tern, **10**; Royal Tern, 7; Caspian Tern, 42; Mourning Dove, 315; Spotted Dove, 1; Roadrunner, 5; Barn Owl, 1; Burrowing Owl, 4; Short-eared Owl, 2; White-throated Swift, 2; Black-chinned Hummingbird, 2; **Costa's Hummingbird, 2**; Anna's Hummingbird, 87; **Rufous Hummingbird, 2**; **Allen's Hummingbird, 1** [careful details submitted for hummingbird identifications—Ed.]; Belted Kingfisher, 11; Red-shafted Flicker, 49; Yellow-bellied Sapsucker, 1; **Nuttall's Woodpecker, 2**; Cassin's Kingbird, 3; Ash-throated Flycatcher, 1; Black Phoebe, 45; Say's Phoebe, 7; **Vermilion Flycatcher, 1**; Horned Lark, 6; Tree Swallow, **664**; Rough-winged Swallow, 7; Scrub Jay, 43; Common Bushtit, 140; Wrentit, 24; House Wren, 4; Long-billed Marsh Wren, 10; Rock Wren, 4; Mockingbird, 197; California Thrasher, 19; Robin, 164; **Varied Thrush, 1**; Hermit Thrush, 42; **Swainson's Thrush, 1** (carefully identified—S.G.); Western Bluebird, 7; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 33; Water Pipit, 148; Cedar Waxwing, 218; Loggerhead Shrike, 30; Orange-crowned Warbler, 2; Audubon's Warbler, 1084; **Townsend's Warbler, 1**; Yellowthroat, 4; **Wilson's Warbler, 1**; House Sparrow, 432; Western Meadowlark, 87; Redwinged Blackbird, 332; Tricolored Blackbird, **300**; Brewer's Blackbird, 144; Brown-headed Cowbird, 4; **Western Tanager, 2**; **Purple Finch, 6**; House

Finch, 1202; Am. Goldfinch, 7; Lesser Goldfinch, 30; **Green-tailed Towhee, 2**; Rufous-sided Towhee, 13; Brown Towhee, 290; Savannah Sparrow, 139; Lark Sparrow, 1; Sage Sparrow, 6; Oregon Junco, **59**; Chipping Sparrow, 1; White-crowned Sparrow, 799; Golden-crowned Sparrow, 1; Fox Sparrow, 9; Lincoln's Sparrow, 4; Song Sparrow, 22. **Total,** 160 species; about 48,349 individuals.—John Bishop (compiler), Marilyn Bishop, S. E. Brode, Ann and Richard Brown, Mr. and Mrs. Thomas Brown, James E. Crouch, Edith Curry, Scott Goodfellow, Mr. and Mrs. J. M. Greig, Eleanor B. Hamilton, Mrs. John Heraty, Anne Hurst, Arthur and Jean Morley, Andrew C. Olson, Boyd and Minta Robinson, David Rorick, Jr., Alice Williams.

620. San Fernando Valley, Calif. (all points within a 15-mile diameter circle, center at Nordhoff and Balboa Sts.; from Santa Monica Mts. to Santa Susannas, from Chatsworth Reservoir to Hansen Dam, including Olive View grounds, San Fernando Mission, Park, and Reservoir; wooded hills 35%, reservoirs and ponds 27%, cemetery and parks 18%, canyons 15%, roadside and lawns 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear; temp. 48° to 80°; wind 5 m.p.h. Thirty-one observers in 5 parties. Total party-hours, 41 (34 on foot, 7 by car); total party-miles, 135 (22 on foot, 113 by car). ► Eared Grebe, 4; Western Grebe, 2; Pied-billed Grebe, 4; Double-crested Cormorant, 9; Great Blue Heron, 2; Green Heron, 3; Common Egret, 2; Black-crowned Night Heron, 12; Canada Goose, 406; White-fronted Goose, 5; Snow Goose, 1; Mallard, 79; Pintail, 47; Am. Widgeon, 98; Shoveler, 91; Ring-necked Duck, 6; Canvasback, 11; Lesser Scaup, 166; Ruddy Duck, 218; Common Merganser, 14; Turkey Vulture, 1; White-tailed Kite, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 33; California Quail, 20; Common Gallinule, 1; Am. Coot, 355; Killdeer, 64; Black-bellied Plover, 22; Common Snipe, 1; Spotted Sandpiper, 2; Greater Yellowlegs, 1; Long-billed Dowitcher, 1; California Gull, 7; Ring-billed Gull, 82; Band-tailed Pigeon, 6; Mourning Dove, 173; Roadrunner, 2; Screech Owl, 1; Great Horned Owl, 1; Anna's Hummingbird, 18; Red-shafted Flicker, 34; Acorn Woodpecker, 65; Yellow-bellied Sapsucker, 1; Nuttall's Woodpecker, 2; Cassin's Kingbird, 1; Black Phoebe, 3; Say's Phoebe, 2; Western Wood Pewee, 1 [no details—Ed.]; Horned Lark, 20; Scrub Jay, 51; Common Raven, 2; Common Crow, 314; Mountain Chickadee, 2; Plain Titmouse, 21; Common Bushtit, 46; Wrentit, 17; Bewick's Wren, 4; Mockingbird, 34; California Thrasher, 6; Robin, 71; Varied Thrush, 1; Hermit Thrush, 7; Black-tailed Gnatcatcher, 2; Ruby-crowned Kinglet, 11; Water Pipit, 128; Cedar Waxwing, 60; Loggerhead Shrike, 10; Audubon's Warbler, 169; Yellowthroat, 1; House Sparrow, 184; Western Meadowlark, 166; Redwinged Blackbird, 65; Brewer's Blackbird, 409; Purple Finch, 1; House Finch, 355; Lesser Goldfinch, 12; Green-tailed Towhee, 1; Rufous-sided Towhee, 9; Brown Towhee, 45; Savannah Sparrow, 12; Lark Sparrow, 138; Rufous-crowned Sparrow, 1; Oregon Junco, 98; White-crowned Sparrow, 123; Golden-crowned Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 22. **Total,** 91 species; about 4712 individuals.—Harry Anderson, Mr. and Mrs. Ray Benson, Edith Bloomfield, Lois and George Boyer, Helen Frances Brockmeier, Helen Cameron, Lulu Ewing, Thurman Frick, Mr. and Mrs. Goodglass, Mr. and Mrs. John Hopper, Hazel and William Kaup, Mr. and Mrs. Mead Kelsey, Jack Koch, Irene and Arthur Langton, Arthur Langton, Jr., Steven Langton, Frances Messerly, Al Metzler, Edward Peterson, Helen S. Pratt, Fiona and Murray Sneddon, Richard B. Starr, Richard V. Starr, Mrs. Clara Weedmark (compiler) (San Fernando Valley Audubon Society).

621. San Francisco, Calif. (all points within a 15-mile diameter circle, center at W. Pacific Ave. and Lyon St. to include entire city of San Francisco, Yerba Buena and Treasure Islands, Marin County shoreline north to Rodeo Lagoon).—Dec. 26; 8 a.m. to 5 p.m. Partly foggy; temp. 47° to 54°; wind W, 2-10 m.p.h. Forty-one observers in 14 parties. Total party-hours, 98 (70 on foot, 28 by car); total party-miles, 102 (42 on foot, 60 by car). ► Common Loon, 8; Arctic Loon, 7; Red-throated Loon, 8; Horned Grebe, 6; Eared Grebe, 37; Western Grebe, 1271; Pied-billed Grebe, 59; Brown Pelican, 3; Double-crested Cormorant, 155; Brandt's Cormorant, 1055; Pelagic Cormorant, 360; Great Blue Heron, 1; Green Heron, 1; Snowy Egret, 1; Black-crowned Night Heron, 4; Am. Bittern, 1; Canada Goose, 9; White-fronted Goose, 4; Snow Goose, 2; Mallard, 738; Pintail, 6; Green-winged Teal, 1; Am. Widgeon, 1718; Shoveler, 59; Wood Duck, 4; Redhead, 4; Ring-necked Duck, 15; Canvasback, 340; Greater Scaup, 25; Lesser Scaup, 342; Common Goldeneye, 1; Bufflehead, 11; White-winged Scoter, 44; Surf Scoter, 45; Common Scoter, 5; scoter (sp.), 16; Ruddy Duck, 1225; Red-breasted Merganser, 4; duck (sp.), 24; Cooper's Hawk, 1; Red-tailed Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 24; California Quail, 191; Am. Coot, 1177; Snowy Plover, 3; Killdeer, 123; Black-bellied Plover, 6; Surfbird, 2; Black Turnstone, 27; Long-billed Curlew, 2; Whimbrel, 1; Willet, 72; Western Sandpiper, 119; Marbled Godwit, 1; Sanderling, 621; Am. Avocet, 3; **Red Phalarope, 1**; Glaucous-winged Gull, 151; Western Gull, 1722; Herring Gull, 94; California Gull, 1753; Ring-billed Gull, 996; Mew Gull, 938; Bonaparte's Gull, 91; Heermann's Gull, 52; gull (sp.), 1121; Forster's Tern, 10; Pigeon Guillemot, 3; Mourning Dove, 135; Screech Owl, 1; Short-eared Owl, 2; Anna's Hummingbird, 161; Allen's Hummingbird, 1; Belted Kingfisher, 4; Red-shafted Flicker, 115; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 7; Ash-throated Flycatcher, 2; Black Phoebe, 27; Say's Phoebe, 7; Tree Swallow, 1; Scrub Jay, 30; Common Raven, 22; Common Crow, 2; Chestnut-backed Chickadee, 62; Common Bushtit, 48; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 21; Brown Creeper, 3; Wrentit, 33; Winter Wren, 6; Bewick's Wren, 2; Long-billed Marsh Wren, 9; Mockingbird, 1; Robin, 825; Varied Thrush, 91; Hermit Thrush, 52; Golden-crowned Kinglet, 61; Ruby-crowned Kinglet, 67; Water Pipit, 92; Cedar Waxwing, 26; Loggerhead

Shrike, 8; Hutton's Vireo, 4; Audubon's Warbler, 152; Townsend's Warbler, 6; Yellowthroat, 9; House Sparrow, 487; Western Meadowlark, 355; Redwinged Blackbird, 2; Brewer's Blackbird, 786; Purple Finch, 4; House Finch, 704; Pine Siskin, 115; Am. Goldfinch, 22; Lesser Goldfinch, 212; Rufous-sided Towhee, 31; Brown Towhee, 10; Savannah Sparrow, 66; Oregon Junco, 940; White-crowned Sparrow, 1189; Golden-crowned Sparrow, 244; White-throated Sparrow, 1; Fox Sparrow, 177; Lincoln's Sparrow, 1; Song Sparrow, 74. **Total,** 123 species; about 24,448 individuals.—Leslie Bartow, Albert Boles, Robert Chase, Charles Durrie, Martha Durrie, Erline Hevel, Elizabeth Land, Lewis Land, L. R. Leinbach, Elizabeth Lennon, Joan Mayerle, Natalie Mestechin, Norma Ockree, Agnes Oczkewecz, Thomas Oczkewecz, Aileen Pierson, Florence Plymell, Marjory Reu, Carlyle Sather (compiler), Jessie Saunders, Patricia Tiggard, Peter Veitch, Francis Walcott, Frank Zografos.

622. San Jose, Calif. (all points within a 15-mile diameter circle, center at Capitol Ave. and Maybury Rd.; canyon stream 20%, valley stream 17%, grassland and pasture 15%, deciduous orchard 13%, saltwater marsh 5%, oak woodland 5%, formal parks 5%, chaparral 5%, town suburbs 4%, truck crops 4%, fresh-water lakes and ponds 3%, fresh-water marsh 2%, dumps 2%).—Dec. 31; 7:30 a.m. to 10:30 p.m. Clear; temp. 34° to 53°; wind NW, 0-6 m.p.h. Forty-seven observers in 15 parties. Total party-hours, 104 (66 on foot, 38 by car); total party-miles, 413 (59 on foot, 354 by car). ► Eared Grebe, 2654; Western Grebe, 1; Pied-billed Grebe, 3; Double-crested Cormorant, 1; Great Blue Heron, 3; Common Egret, 4; Snowy Egret, 19; Canada Goose, 527; White-fronted Goose, 6; Mallard, 8; Pintail, 97; Am. Widgeon, 4; Shoveler, 4204; Wood Duck, 1; Ring-necked Duck, 13; Canvasback, 56; Lesser Scaup, 46; Common Goldeneye, 10; Bufflehead, 4; Ruddy Duck, 436; Common Merganser, 8; Red-breasted Merganser, 1; duck (sp.), 252; Turkey Vulture, 5; White-tailed Kite, 11; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 44; Golden Eagle, 6; Prairie Falcon, 1; Sparrow Hawk, 73; hawk (sp.), 4; California Quail, 325; Ring-necked Pheasant, 6; Common Gallinule, 12; Am. Coot, 1376; Killdeer, 343; Black-bellied Plover, 32; Common Snipe, 32; Long-billed Curlew, 75; Whimbrel, 1; Spotted Sandpiper, 3; Willet, 134; Greater Yellowlegs, 21; Least Sandpiper, 150; Dunlin, 453; Short-billed Dowitcher, 714; Long-billed Dowitcher, 15; Western Sandpiper, 458; Am. Avocet, 59; Glaucous-winged Gull, 83; Herring Gull, 2216; California Gull, 795; Ring-billed Gull, 1432; Bonaparte's Gull, 773; gull (sp.), 6721; Band-tailed Pigeon, 136; Mourning Dove, 311; Roadrunner, 1; Barn Owl, 1; Burrowing Owl, 16; White-throated Swift, 11; Anna's Hummingbird, 33; Belted Kingfisher, 14; Red-shafted Flicker, 184; Acorn Woodpecker, 116; Lewis' Woodpecker, 1; Yellow-bellied Sapsucker, 19; Hairy Woodpecker, 9; Downy Woodpecker, 27; Nuttall's Woodpecker, 17; Black Phoebe, 47; Say's Phoebe, 8; empidonax (sp.), 1; Western Wood Pewee, 1 [no details—Ed.]; Horned Lark, 52; Steller's Jay, 136; Scrub Jay, 329; Yellow-billed Magpie, 247; Common Crow, 62; Chestnut-backed Chickadee, 62; Plain Titmouse, 81; Common Bushtit, 257; White-breasted Nuthatch, 27; Brown Creeper, 2; Wrentit, 23; Dipper, 1; Winter Wren, 1; Bewick's Wren, 19; Long-billed Marsh Wren, 15; Cañon Wren, 4; Rock Wren, 3; Mockingbird, 125; California Thrasher, 16; Robin, 650; Varied Thrush, 91; Hermit Thrush, 136; Western Bluebird, 42; Townsend's Solitaire, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 103; Water Pipit, 618; Cedar Waxwing, 162; Loggerhead Shrike, 43; Starling, 255; Hutton's Vireo, 4; Orange-crowned Warbler, 1; Myrtle Warbler, 4; Audubon's Warbler, 776; House Sparrow, 842; Western Meadowlark, 1245; Redwinged Blackbird, 1550; Tricolored Blackbird, 11; Brewer's Blackbird, 8091; Brown-headed Cowbird, 3; Evening Grosbeak, 2; Purple Finch, 83; House Finch, 1716; Pine Siskin, 164; Am. Goldfinch, 506; Lesser Goldfinch, 947; Lawrence's Goldfinch, 2; Rufous-sided Towhee, 37; Brown Towhee, 290; Savannah Sparrow, 228; Lark Sparrow, 84; Rufous-crowned Sparrow, 8; Oregon Junco, 718; White-crowned Sparrow, 2442; Golden-crowned Sparrow, 1332; Fox Sparrow, 18; Lincoln's Sparrow, 1; Song Sparrow, 98. **Total,** 130 species; about 50,458 individuals. (Seen in area count period, but not on count day: Short-eared Owl.) —Oliver Allen, Lu Venia Arnold, Burt Ball, Virginia Bothwell, Grace Brubaker, Eve Case, Lloyd Case, Florence Durfee, Alberta C. Edell, Ray Fisk, Robert Fuller, Mrs. Francis Goraj, Frank Goraj, Phil Gordon, H. T. Harvey, Ethel Louderback, Eva McRae, Bill Mewaldt, L. Richard Mewaldt (compiler), Bob Nevis, Anne Peterson, Homer Peterson, Glenn Pierce, Lynn Robbins, Don Schmoldt, Andy Shulman, Les Sleeper, Emily Smith, Angelina Snow, Emmanuel Taylor, Mrs. Emmanuel Taylor, Doris Tengan, George Tengan, Richard Thaw, Wilma Thompson, Glenn Vail, Ruth Vail, M. F. Vessel, Virginia West, Henry Weston, Howard Wolcott, Marg Wolcott, Roy Wolcott, Bob Wood, Albert J. Wool, Charles Zwaal, Fanny Zwaal.

623. Santa Cruz County (eastern), Calif. (all points within a 15-mile diameter circle, center Larkin Valley School as in 1958 and 1959; beach 15%, fields 20%, oak woodlands 15%, orchards 15%, lakes and ponds 25%, urban 10%).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 38° to 65°; no wind. Thirteen observers in 5 parties. Total party-hours, 42 (33 on foot, 9 by car); total party-miles, 175 (26 on foot, 149 by car). ► Red-throated Loon, 3; Western Grebe, 15; Pied-billed Grebe, 4; **Am. Bittern, 1** (carefully identified); White-fronted Goose, 5; Mallard, 1; Pintail, 2; Cinnamon Teal, 5; Am. Widgeon, 6; Shoveler, 1; Redhead, 5; Ring-necked Duck, 5; Canvasback, 28; Common Goldeneye, 1; Bufflehead, 3; Surf Scoter, 128; Ruddy Duck, 40; Red-breasted Merganser, 1; **White-tailed Kite, 2**; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 19; California Quail, 269; Ring-necked Pheasant, 2; Common Gallinule, 2; Am. Coot, 347; Killdeer, 23; Black Turnstone, 1; Common Snipe, 3; Long-billed Curlew, 1; Whimbrel, 9; Willet, 9; Long-billed Dowitcher, 23; Western Sandpiper, 2;

Marbled Godwit, 4; Sanderling, 42; Glaucous-winged Gull, 18; Western Gull, 43; Herring Gull, 1; California Gull, 5; Ring-billed Gull, 14; Heermann's Gull, 7; Band-tailed Pigeon, 419; Mourning Dove, 23; Barn Owl, 1; Great Horned Owl, 2; Anna's Hummingbird, 23; Belted Kingfisher, 1; Red-shafted Flicker, 45; Acorn Woodpecker, 27; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 7; Black Phoebe, 4; Steller's Jay, 9; Scrub Jay, 77; Chestnut-backed Chickadee, 123; Plain Titmouse, 21; Common Bushtit, 214; **Red-breasted Nuthatch, 1** (seen well on feeder—F.S.); Pigmy Nuthatch, 42; Brown Creeper, 4; Wrentit, 32; Dipper, 1; Bewick's Wren, 15; Long-billed Marsh Wren, 1; Mockingbird, 28; Robin, 672; Varied Thrush, 47; Hermit Thrush, 31; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 48; Water Pipit, 11; Cedar Waxwing, 10; Hutton's Vireo, 5; Orange-crowned Warbler, 3; Myrtle Warbler, 3; Audubon's Warbler, 111; Townsend's Warbler, **24**; Yellowthroat, 2; **Wilson's Warbler, 2**; House Sparrow, 31; Western Meadowlark, 25; Redwinged Blackbird, 206; Brewer's Blackbird, 313; Purple Finch, 14; House Finch, 598; Pine Siskin, 103; Am. Goldfinch, 23; Lesser Goldfinch, 155; Lawrence's Goldfinch, 1; Rufous-sided Towhee, 11; Brown Towhee, 158; Savannah Sparrow, 6; Oregon Junco, 169; Chipping Sparrow, 1; White-crowned Sparrow, 205; Golden-crowned Sparrow, 410; Fox Sparrow, 5; Song Sparrow, 60. **Total,** 101 species; about 5697 individuals.—Charles Anderson, Viola Anderson, Bea Bacon, Brooke Bacon, Florence Haas, Jessie Hooper (compiler), Dorothy Hunt, H. Ray Hunt, Elsa Olson, James Rogers, Jo Rogers, Farena Sawyer, Mabel Terry (Santa Cruz Bird Club).

624. Santa Cruz County (western), Calif. (all points within a 15-mile diameter circle, center at entrance to Henry Cowell State Park as in 1958 and 1959; beaches and lagoons 25%, fresh-water ponds and river 30%, woodland, fields and pastures 30%, urban 10%, pine forest 5%).—Dec. 30; 8:30 a.m. to 5 p.m. Clear; temp. 38° to 68°; no wind. Sixteen observers in 6 parties. Total party-hours, 43 (36 on foot, 7 by car); total party-miles, 140 (30 on foot, 110 by car). ► Arctic Loon, 3; Eared Grebe, 6; Western Grebe, 626; Pied-billed Grebe, 13; Double-crested Cormorant, 6; Brandt's Cormorant, 72; Pelagic Cormorant, 18; Mallard, 106; Pintail, 34; Green-winged Teal, 2; Am. Widgeon, 27; Shoveler, 3; Wood Duck, 8; Redhead, 211; Canvasback, 5; Lesser Scaup, 43; Bufflehead, 8; White-winged Scoter, 8; Surf Scoter, 44; Common Scoter, 110; Ruddy Duck, 152; **Hooded Merganser, 1** (all field marks—F.H.); Red-tailed Hawk, 5; Sparrow Hawk, 17; California Quail, 122; Ring-necked Pheasant, 3; Am. Coot, 381; Snowy Plover, 25; Killdeer, 20; Black Turnstone, 10; Long-billed Curlew, 4; Willet, 126; Least Sandpiper, 2; Marbled Godwit, 34; Sanderling, 467; Glaucous-winged Gull, 5; Western Gull, 300; California Gull, 1075; Ring-billed Gull, 1031; Mew Gull, 13; Bonaparte's Gull, 3; Heermann's Gull, 360; gull (sp.), 200; Marbled Murrelet, 2; Band-tailed Pigeon, 74; Mourning Dove, 41; Anna's Hummingbird, 31; Belted Kingfisher, 2; Red-shafted Flicker, 26; Acorn Woodpecker, 23; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 6; Black Phoebe, 12; Say's Phoebe, 6; Steller's Jay, 22; Scrub Jay, 69; Common Crow, 1; Chestnut-backed Chickadee, 57; Plain Titmouse, 1; Common Bushtit, 117; **Red-breasted Nuthatch, 1**; Pigmy Nuthatch, 22; Brown Creeper, 3; Wrentit, 22; House Wren, 1; Winter Wren, 1; Bewick's Wren, 11; Long-billed Marsh Wren, 1; Mockingbird, 25; California Thrasher, 2; Robin, 430; Varied Thrush, 5; Hermit Thrush, 58; Western Bluebird, 51; Ruby-crowned Kinglet, 45; Water Pipit, 59; Cedar Waxwing, 130; Loggerhead Shrike, 1; **Starling, 32**; Hutton's Vireo, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 2; Audubon's Warbler, 172; Townsend's Warbler, 5; Yellowthroat, 2; Wilson's Warbler, 1; House Sparrow, 91; Western Meadowlark, 71; Redwinged Blackbird, 203; Brewer's Blackbird, 343; Purple Finch, 18; House Finch, 323; **Pine Grosbeak, 1** (with crossbills—J.R., H.S.); Pine Siskin, 195; Am. Goldfinch, 12; Lesser Goldfinch, 27; **Red Crossbill, 32**; Rufous-sided Towhee, 11; Brown Towhee, 78; Oregon Junco, 220; **Harris' Sparrow, 2** (1 banded); White-crowned Sparrow, 158; Golden-crowned Sparrow, 484; **White-throated Sparrow, 1**; Fox Sparrow, 34; **Lincoln's Sparrow, 2** (no question); Song Sparrow, 62. **Total,** 106 species; about 9656 individuals.—Charles Anderson, Viola Anderson, Glenn Bradt, Florence Haas, Jessie Hooper (compiler), Dorothy Hunt, H. Ray Hunt, Leavitt McQuesten, Stanley Mythaler, Elaine Reinelt, James Rogers, Josephine Rogers, Harry R. Smith, John Strohbeen, Marlene Travelle, Mrs. Glenn Vaughn.

625. Santa Rosa, Calif. (all points within a 15-mile diameter circle, center at Mendocino and College Aves.; fresh-water marsh 5%, open fresh water 2%, broadleaf-evergreen forest 5%, oak woodland 20%, riparian woods 5%, rural cultivated 35%, grassland 20%, urban 8%).—Dec. 22; 6:45 a.m. to 5:30 p.m.; temp. 37° to 60°; wind 5-15 m.p.h. Eleven observers in 6 parties. Total party-hours, 96 (86 on foot, 10 by car); total party-miles, 266 (38 on foot, 228 by car). ► Eared Grebe, 1; Western Grebe, 3; Pied-billed Grebe, 10; Great Blue Heron, 4; Common Egret, 1; Snowy Egret, 6; Black-crowned Night Heron, 42; Canada Goose, 3; Mallard, 54; Pintail, 99; Green-winged Teal, 16; Cinnamon Teal, 1; Am. Widgeon, 8; Shoveler, 10; Wood Duck, **54** (large numbers annually in choice spot); Ring-necked Duck, 3; Canvasback, 13; Lesser Scaup, 15; Common Goldeneye, 19; Bufflehead, 8; Ruddy Duck, 524; Turkey Vulture, 45; White-tailed Kite, **13**; Sharp-shinned Hawk, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 9; Sparrow Hawk, 43; California Quail, 182; Ring-necked Pheasant, 11; Virginia Rail, **11**; Common Gallinule, 4; Am. Coot, 908; Killdeer, 136; Common Snipe, 161; Greater Yellowlegs, 2; Least Sandpiper, 20; California Gull, 2; Band-tailed Pigeon, 35; Mourning Dove, 38; Great Horned Owl, 2; Anna's Hummingbird, 14; Belted Kingfisher, 4; Red-shafted Flicker, 65; Acorn Woodpecker, 88; Lewis' Woodpecker, 5; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 4; Nuttall's Woodpecker, 14;

Black Phoebe, 29; Say's Phoebe, 9; **Violet-green Swallow, 1** (positive); Tree Swallow, 4; Steller's Jay, 12; Scrub Jay, 60; Common Raven, 3; Common Crow, 1001; Chestnut-backed Chickadee, 37; Plain Titmouse, 45; Common Bushtit, 140; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 3; Brown Creeper, 6; Wrentit, 9; Winter Wren, 4; Bewick's Wren, 21; Long-billed Marsh Wren, 18; Mockingbird, 7; California Thrasher, 2; Robin, 2109; Varied Thrush, 111; Hermit Thrush, 18; Western Bluebird, 55; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 70; Water Pipit, 185; Cedar Waxwing, 135; Loggerhead Shrike, 17; Starling, 31; Hutton's Vireo, 18; Orange-crowned Warbler, 1; Myrtle Warbler, 5; Audubon's Warbler, 115; Townsend's Warbler, 4; House Sparrow, 30; Western Meadowlark, 219; Redwinged Blackbird, 1095; Brewer's Blackbird, 608; Brown-headed Cowbird, 16; **Evening Grosbeak, 58** (regular all month); Purple Finch, 5; House Finch, 134; Pine Siskin, 12; Am. Goldfinch, 5; Lesser Goldfinch, 76; Rufous-sided Towhee, 35; Brown Towhee, 89; Savannah Sparrow, 57; Lark Sparrow, 3; Oregon Junco, 319; White-crowned Sparrow, 235; Golden-crowned Sparrow, 171; **White-throated Sparrow, 1** (at feeder all Dec.); Fox Sparrow, 20; Lincoln's Sparrow, 5; Song Sparrow, 96. **Total,** 106 species; about 10,360 individuals. (Seen in area count period, but not on count day: Red Crossbill.)—Gordon L. Bolander, Ann Brockman, Pete Leveque, Natalie Mestechin, Dochia Padgett, Mike Parmeter (compiler), Marianne Shepard, Susan Shepard, George Titus, Mrs. George Titus, Aileen Trine.

626. Tomales Bay, Calif. (all points within a 15-mile diameter circle, center ½ mile NW of Marshall, including Tomales Point, Dillon Beach, Stemple, Chileno and Walker Creeks, Tomales Bay State Park, Inverness Ridge, Schooner Bay, Abbotts Lagoon; ocean, beach, rocky shore 12%, mud flats 10%, bays 23%, salt marsh 3%, fresh-water ponds and marsh 9%, coniferous forest 18%, brush 5%, open fields 12%, deciduous woodland 8%).—Jan. 2; 12:01 a.m. to 6 p.m. Clear; temp. 25° to 40°; wind W, 3-5 m.p.h.; mid-point of 5-day cold snap, precipitation normal. Forty observers in 15 parties. Total party-hours, 135 (75 on foot, 53 by car, 7 by jeep); total party-miles, 295 (45 on foot, 233 by car, 17 by jeep). ► Common Loon, 73; Arctic Loon, 130; Red-throated Loon, **1687**; Red-necked Grebe, 9; Horned Grebe, 138; Eared Grebe, 105; Western Grebe, **1462**; Pied-billed Grebe, 53; White Pelican, 346; Brown Pelican, 15; Double-crested Cormorant, 416; Brandt's Cormorant, **9660**; Pelagic Cormorant, 7; Great Blue Heron, 35; Common Egret, 10; Snowy Egret, 29; Black-crowned Night Heron, 14; Am. Bittern, 2; Whistling Swan, 1; Canada Goose, 1; Black Brant, **2605**; Mallard, 89; Pintail, 784; Green-winged Teal, 7; Am. Widgeon, 83; Shoveler, 1; Redhead, 142; Ring-necked Duck, 2; Canvasback, 251; Greater Scaup, 443; Lesser Scaup, 151; Common Goldeneye, 152; Bufflehead, 858; Oldsquaw, 6; Harlequin Duck, 10; White-winged Scoter, 269; Surf Scoter, 4225; Common Scoter, **229**; Ruddy Duck, 3894; Red-breasted Merganser, 58; Turkey Vulture, 111; Sharp-shinned Hawk, 14; Cooper's Hawk, 2; Red-tailed Hawk, 94; Red-shouldered Hawk, 1; **Rough-legged Hawk, 1** (regular all month); **Ferruginous Hawk, 1** (all field marks—C.D., W.P.); **Golden Eagle, 3**; **Bald Eagle, 1** (V.H.); Marsh Hawk, 18; **Osprey, 1** (all field marks—L.H.); Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 161; California Quail, 557; Ring-necked Pheasant, 8; Virginia Rail, 3; Sora, 1; Am. Coot, 983; Black Oystercatcher, 12; Semipalmated Plover, 1; Snowy Plover, 80; Killdeer, 427; **Am. Golden Plover, 1** (4 competent observers); Black-bellied Plover, 55; Surfbird, 12; Black Turnstone, 84; Common Snipe, 38; Long-billed Curlew, 1; Spotted Sandpiper, 3; **Wandering Tattler, 3**; Willet, 177; Greater Yellowlegs, **27**; Least Sandpiper, 578; Dunlin, 1016; Long-billed Dowitcher, 1; Western Sandpiper, 200; Marbled Godwit, 25; Sanderling, 528; Glaucous-winged Gull, 276; Western Gull, 885; Herring Gull, 256; California Gull, 1391; Ring-billed Gull, 157; Mew Gull, 184; Bonaparte's Gull, 7; Forster's Tern, 3; Common Murre, 46; Pigeon Guillemot, 47; Ancient Murrelet, 1; Rhinoceros Auklet, 5; Band-tailed Pigeon, 300; Mourning Dove, 91; Barn Owl, 9; Screech Owl, 9; Great Horned Owl, **46**; Burrowing Owl, 1; **Spotted Owl, 2** (resident); **Long-eared Owl, 2**; **Short-eared Owl, 1**; Saw-whet Owl, 3; Anna's Hummingbird, 25; Belted Kingfisher, 42; **Yellow-shafted Flicker, 3** (definite); Red-shafted Flicker, 310; Acorn Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 17; Downy Woodpecker, 7; Black Phoebe, 88; Say's Phoebe, 39; Horned Lark, 202; Steller's Jay, 46; Scrub Jay, 173; Common Raven, 116; Common Crow, 269; Chestnut-backed Chickadee, 135; Plain Titmouse, 4; Common Bushtit, 240; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 7; Pigmy Nuthatch, 143; Brown Creeper, 11; Wrentit, 190; **House Wren, 2**; Winter Wren, 46; Bewick's Wren, 78; Long-billed Marsh Wren, 15; Rock Wren, 4; Mockingbird, 2; California Thrasher, 1; Robin, 1783; Varied Thrush, 143; Hermit Thrush, 174; Western Bluebird, 197; **Mountain Bluebird, 4**; Golden-crowned Kinglet, 101; Ruby-crowned Kinglet, 328; Water Pipit, **2786**; Loggerhead Shrike, 104; Starling, 2068; Hutton's Vireo, 22; Orange-crowned Warbler, 3; Myrtle Warbler, 20; Audubon's Warbler, 359; Townsend's Warbler, 19; Yellowthroat, 2; House Sparrow, 297; Western Meadowlark, 1552; Redwinged Blackbird, 357; Tricolored Blackbird, 14; Brewer's Blackbird, 2992; Brown-headed Cowbird, 5; Purple Finch, 39; House Finch, 599; Pine Siskin, 547; Am. Goldfinch, 6; Lesser Goldfinch, 32; **Red Crossbill, 45** (resident); Rufous-sided Towhee, 69; Brown Towhee, 186; Savannah Sparrow, 377; **Vesper Sparrow, 1** (B.N., R.S.); Lark Sparrow, 31; Rufous-crowned Sparrow, 4; **Slate-colored Junco, 4**; Oregon Junco, 537; White-crowned Sparrow, 3874; Golden-crowned Sparrow, 572; **White-throated Sparrow, 2**; Fox Sparrow, 199; Lincoln's Sparrow, 11; **Swamp Sparrow, 1** (adult); Song Sparrow, 240. **Total,** 174 species; about 60,338 individuals. (Seen in area count period, but not on count day: White-fronted Goose, Lesser Yellowlegs, **Glaucous Gull**, Cedar Waxwing.) —Harry Adamson, Betty Adamson, E. A. Albertson, Gordon L. Bolander, Duane Carmony, Ted Chase,

Herold Connon, A. Laurence Curl, Charles Durrie, Martha Durrie, Lynn Farrar, Norman Fitzwater, William M. Gilbert, Jack Goggolz, Joel T. Hedgpeth, Leslie Hood, Isabel Hood, Richard T. Holmes, Parshall L. Howe, Vernon W. Howe, Philip S. Kearney, Nello Kearney, Elizabeth S. Lennon, Phyllis Lindley (compiler), Marie Mans, R. Guy McCaskie, Lowell E. McNicol, Grace Miller, Bill Noble, Paul Opler, Mike Parmeter, Reed Pierce, William M. Pursell, John Ralph, Lynn Robbins, James L. Rosso, Sandra Segler, Eric Spalding, Richard Stallcup, Peter A. Veitch.

627. Topanga Canyon, Calif. (all points within a 15-mile diameter circle, center 2 miles west of Topanga Post Office as in former years, including Topanga Canyon, part of Santa Monica Mountains, Tapia Park, coastal beaches along Cabrillo Highway, Malibu Lagoon; chaparral slopes 10%, mixed forest 35%, salt-water shore 50%, fresh-water lake 5%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Clear; temp. 54° to 62°; wind NNE, 20-60 m.p.h. Four observers in 3 parties. Total party-hours, 24 (15 on foot, 9 by car); total party-miles, 100 (20 on foot, 80 by car). ► Red-throated Loon, 1; Horned Grebe, 1; Eared Grebe, 1; Western Grebe, 8; Pied-billed Grebe, 3; Great Blue Heron, 1; Green Heron, 1; Snowy Egret, 1; Pintail, 4; Green-winged Teal, 5; Shoveler, 4; Greater Scaup, 5; Bufflehead, 1; Surf Scoter, 10; Ruddy Duck, 6; Red-breasted Merganser, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 2; Am. Coot, 136; Snowy Plover, 28; Black-bellied Plover, 40; Black Turnstone, 11; Whimbrel, 2; Spotted Sandpiper, 1; Willet, 73; Greater Yellowlegs, 2; Least Sandpiper, 16; Western Sandpiper, 8; Marbled Godwit, 6; Sanderling, 31; Western Gull, 2; California Gull, 16; Ring-billed Gull, 16; Bonaparte's Gull, 3; Heermann's Gull, 2; Forster's Tern, 14; Mourning Dove, 2; Belted Kingfisher, 2; Red-shafted Flicker, 1; Acorn Woodpecker, 9; Nuttall's Woodpecker, 3; Black Phoebe, 4; Say's Phoebe, 2; Scrub Jay, 4; Common Raven, 5; Common Crow, 1; Plain Titmouse, 23; Common Bushtit, 16; White-breasted Nuthatch, 1; Brown Creeper, 1; Mockingbird, 5; California Thrasher, 2; Robin, 1; Varied Thrush, 7; Hermit Thrush, 1; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 1; Audubon's Warbler, 8; Brewer's Blackbird, 58; Purple Finch, 1; House Finch, 41; Rufous-sided Towhee, 22; Brown Towhee, 34; Oregon Junco, 44; Chipping Sparrow, 3; White-crowned Sparrow, 26; Golden-crowned Sparrow, 1; Song Sparrow, 5. **Total,** 69 species; about 806 individuals.—W. Lee Chambers, Earle R. Greene (compiler), Joan Mills, Gina Wilcox.

628. Valyermo, Calif. (all points within a 15-mile diameter circle, center White Cliff Ranch 2½ miles SSW of Valyermo).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 40° to 55°; wind light. Three observers in 2 parties. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 16 (4 on foot, 12 by car). ► Cooper's Hawk, 1; Golden Eagle, 1; Sparrow Hawk, 1; Mountain Quail, 5; Mourning Dove, 35; Great Horned Owl, 5; Anna's Hummingbird, 2; Red-shafted Flicker, 4; Nuttall's Woodpecker, 4; Scrub Jay, 10; Mountain Chickadee, 4; Plain Titmouse, 8; Wrentit, 6; Bewick's Wren, 4; Mockingbird, 1; California Thrasher, 1; thrasher (sp.), 1; Robin, 2; Western Bluebird, 45; Ruby-crowned Kinglet, 3; Phainopepla, 2; Loggerhead Shrike, 1; Audubon's Warbler, 3; House Sparrow, 6; Brewer's Blackbird, 40; Purple Finch, 50; House Finch, 140; Rufous-sided Towhee, 7; Oregon Junco, 310; White-crowned Sparrow, 50; Golden-crowned Sparrow, 1; Fox Sparrow, 5. **Total,** 32 species; about 758 individuals.—Paul W. Colburn, Noel McFarland (compiler).

629. Yosemite National Park, Calif. (all points within a 15-mile diameter circle, center power dam on Merced River, including Yosemite Valley south to Tempo Dome and north to Big Meadow; 2000-8200 ft.; lakeshore and swamp 1%, semi-open hillsides 21%, meadows 14%, coniferous forest 34%, riverbanks 30%).—Dec. 27; 5:30 a.m. to 5 p.m. Fair; temp. 26° to 67°; wind strong, gusts to 35 m.p.h.; water frozen and snow at higher elevations, fog at lower elevations. Twelve observers in 5 parties. Total party-hours, 40 (26 on foot, 9 by car, 5 by ski); total party-miles, 71 (17 on foot, 51 by car, 3 by ski). ► Great Blue Heron, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Golden Eagle, 2; Sparrow Hawk, 2; California Quail, 8; Mountain Quail, 4; Pygmy Owl, 5; Anna's Hummingbird, 3; Belted Kingfisher, 2; Red-shafted Flicker, 23; Acorn Woodpecker, 22; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 1; Nuttall's Woodpecker, 5; White-headed Woodpecker, 7; Black Phoebe, 3; Steller's Jay, 109; Scrub Jay, 27; Clark's Nutcracker, 119; Mountain Chickadee, 43; Plain Titmouse, 20; Common Bushtit, 25; Red-breasted Nuthatch, 22; Brown Creeper, 6; Wrentit, 3; Dipper, 6; Winter Wren, 2; Cañon Wren, 3; Robin, 34; Varied Thrush, 15; Hermit Thrush, 7; Western Bluebird, 27; Townsend's Solitaire, 2; Golden-crowned Kinglet, 35; Ruby-crowned Kinglet, 22; Hutton's Vireo, 1; Audubon's Warbler, 1; House Sparrow, 16; Cassin's Finch, 28; House Finch, 6; Pine Siskin, 97; Lesser Goldfinch, 6; **Red Crossbill, 14**; Rufous-sided Towhee, 24; Brown Towhee, 35; Lark Sparrow, 100; Slate-colored Junco, 3; Oregon Junco, 300; Golden-crowned Sparrow, 25; Song Sparrow, 1. **Total,** 52 species; about 1282 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Pileated Woodpecker.) —Delmer Armstrong, Katharine Coakley, M. B. Evans, Erma Fitzpatrick, W. J. Fitzpatrick (compiler), Carl Haglund, Isabel Haglund, Dorothy Johnson, James Johnson, Vergena Koller, P. R. Marshall, Mary Curry Tresidder.

SUMMARY OF HIGHEST COUNTS OF INDIVIDUALS

by Burt L. Monroe, Jr.

Another all-time high for number of species recorded was set on the 61st Christmas Bird Count, a total of 506. This does not include the Red-legged Partridge, not yet a recognized established species.

Coot Bay, Florida, once again led the field with the highest counts of individuals for 35 species. Statewise, Florida was high with 103 high counts, followed by California with 95, Texas with 86, and Arizona with 36.

Three species were recorded for the first time on a Christmas Count and are indicated in the summary in bold face. It may be well to note that the Zone-tailed Hawk, Harlequin Quail, and Vaux's Swift, listed as new to the all-time count last year, had been recorded on counts prior to 1947.

All-time high counts of individuals are down this year with only 66 species equaling or exceeding earlier counts. However, this figure cannot be directly compared to last year's since it is based on highest counts from the first Christmas Bird Count, not just those subsequent to the start of the summaries in 1947.

Common Loon, 229 (*N. Y.*, Montauk); Arctic Loon, 241 (*B. C.*, North Saanich); Red-throated Loon, 1687 (*Calif.*, Tomales Bay); Red-necked Grebe, 68 (*Me.*, Deer Isle); Horned Grebe, **2250** (*Del.*, Rehoboth); Eared Grebe, 2654 (*Calif.*, San Jose); Least Grebe, 19 (*Tex.*, LaSal Vieja); Western Grebe, 4561 (*B. C.*, Vancouver); Pied-billed Grebe, 277 (*Fla.*, Coot Bay); Fulmar, 2 (*Calif.*, Orange Co., central); Sooty Shearwater, 12 (*Calif.*, Orange Co., central); Black Petrel, 1 (*Calif.*, San Diego); petrel (sp.), 1 (*Calif.*, Orange Co., central); White Pelican, 2574 (*Fla.*, Coot Bay); Brown Pelican, 725 (*Fla.*, Fort Pierce); Brown Booby, 1 (*Fla.*, Cocoa); Gannet, 195 (*N. C.*, Hampstead); Great Cormorant, 101 (*N. J.*, Long Branch); Double-crested Cormorant, 1819 (*Fla.*, Titusville); Olivaceous Cormorant, 1541 (*Tex.*, LaSal Vieja); Brandt's Cormorant, **9660** (*Calif.*, Tomales Bay); Pelagic Cormorant, 360 (*Calif.*, San Francisco); Anhinga, **231** (*Fla.*, Fort Lauderdale); Magnificent Frigate-bird, **123** (*Fla.*, Key Largo).

Great White Heron, 120 (*Fla.*, Coot Bay); Great Blue Heron, 600 (*Fla.*, Coot Bay); Green Heron, **478** (*Fla.*, Coot Bay); Little Blue Heron, 1952 (*Fla.*, Fort Lauderdale); Cattle Egret, 2469 (*Fla.*, Fort Lauderdale); Reddish Egret, 31 (*Fla.*, Coot Bay); Common Egret, 2331 (*Fla.*, Coot Bay); Snowy Egret, 2540 (*Fla.*, Coot Bay); Louisiana Heron, 903 (*Fla.*, Coot Bay); Black-crowned Night Heron, 438 (*Tex.*, Houston); Yellow-crowned Night Heron, 30 (*Fla.*, Fort Lauderdale); Least Bittern, 7 (*Fla.*, Cocoa); American Bittern, 14 (*La.*, Sabine); Wood Ibis, **1626** (*Fla.*, Coot Bay); Glossy Ibis, 14 (*Fla.*, Cocoa); White-faced Ibis, 2103 (*La.*, Sabine); White Ibis, 3142 (*Fla.*, Coot Bay); Roseate Spoonbill, 366 (*Fla.*, Key Largo); American Flamingo, 1 (*Fla.*, Cocoa).

Mute Swan, 506 (*N. Y.*, Central Suffolk Co.); Whistling Swan, **14,400** (*Va.*, Back Bay); Trumpeter Swan, 16 (*S. Dak.*, Lacreek); Canada Goose, 95,000 (*N. C.*, Mattamuskeet); Brant, 40,000 (*N. J.*, Cape May); Black Brant, 2605 (*Calif.*, Tomales Bay); White-fronted Goose, 10,000 (*Calif.*, Redding); Snow Goose, 24,500 (*La.*, Sabine); Blue Goose, 45,500 (*La.*, Sabine); Ross' Goose, 4 (*Ariz.*, Imperial; *Calif.*, Marysville); Black-bellied Tree Duck, 66 (*Tex.*, San Antonio); Fulvous Tree Duck, 26 (*Tex.*, Bentsen); Mallard, 150,000 (*Mo.*, Squaw Creek); Black Duck, 28,000 (*N. J.*, Oceanville); Mottled Duck, 273 (*Fla.*, Coot Bay); Gadwall, 11,000 (*La.*, Venice);

Pintail, 53,028 (*Tex.*, Laguna Atascosa); Green-winged Teal, 10,000 (*N. C.*, Mattamuskeet); Blue-winged Teal, 2147 (*Fla.*, Coot Bay); Cinnamon Teal, 27 (*Calif.*, Oceanside); European Widgeon, 2 (*Conn.*, New London; *Oreg.*, Portland); American Widgeon, 15,300 (*Tenn.*, Reelfoot Lake); Shoveler, 4204 (*Calif.*, San Jose); Wood Duck, 327 (*Ga.*, Brunswick); Redhead, 91,400 (*Tex.*, Laguna Atascosa); Ring-necked Duck, 6000 (*Tenn.*, Reelfoot Lake); Canvasback, 8207 (*N. Y.*, Buffalo); Greater Scaup, 15,000 (*Conn.*, Westport); Lesser Scaup, 41,162 (*Fla.*, Titusville); Common Goldeneye, 2765 (*N. Y.*, Buffalo); Barrow's Goldeneye, 562 (*B. C.*, Vancouver); Bufflehead, 1700 (*N. J.*, Oceanville); Oldsquaw, 2871 (*Ont.*, Toronto); Harlequin Duck, **120** (*B. C.*, Victoria); Common Eider, 3900 (*Mass.*, Cape Cod); King Eider, 15 (*N. Y.*, Montauk); White-winged Scoter, 5000 (*N. J.*, Oceanville); Surf Scoter, 16,280 (*Calif.*, San Diego); Common Scoter, 1600 (*N. J.*, Barnegat); Ruddy Duck, 5000 (*N. C.*, Mattamuskeet); Masked Duck, **2** (*Tex.*, Laguna Atascosa); Hooded Merganser, 200 (*N. C.*, Mattamuskeet); Common Merganser, 6200 (*Idaho*, Nampa); Red-breasted Merganser, 1683 (*Fla.*, Coot Bay).

Turkey Vulture, 588 (*Md.*, Ocean City); Black Vulture, 475 (*Ga.*, Sherwood); White-tailed Kite, 13 (*Calif.*, Sacramento and Santa Rosa); Goshawk, 2 (*Conn.*, Westport; *Wis.*, Wautoma; *Iowa*, Davenport; *N. Mex.*, Santa Fe; *Wash.*, Spokane; *Oreg.*, Malheur and Medford); Sharp-shinned Hawk, 14 (*Calif.*, Tomales Bay); Cooper's Hawk, 14 (*Ohio*, Cincinnati); Red-tailed Hawk, 151 (*Tex.*, Houston); Harlan's Hawk, 6 (*Tex.*, Dallas); Red-shouldered Hawk, 58 (*Fla.*, Coot Bay); Broad-winged Hawk, 8 (*Fla.*, Marathon); Swainson's Hawk, 1 (*Tex.*, Bentsen, Big Bend, and Welder; *N. Mex.*, Clayton; *Ariz.*, Phoenix; *Oreg.*, Malheur; *Calif.*, Orange Co., northeastern, and Sacramento); White-tailed Hawk, 6 (*Tex.*, Laguna Atascosa); Short-tailed Hawk, 1 (*Fla.*, Coot Bay); Rough-legged Hawk, 131 (*Oreg.*, Fort Klamath); Ferruginous Hawk, 7 (*Tex.*, Laguna Atascosa); Harris' Hawk, 42 (*Tex.*, Laguna Atascosa); Black Hawk, 1 (*Tex.*, Laguna Atascosa); Golden Eagle, 31 (*Wyo.*, Casper); Bald Eagle, 91 (*Iowa*, Davenport); Marsh Hawk, 107 (*Calif.*, Orange Co., central); Osprey, 61 (*Fla.*, Coot Bay); Caracara, 7 (*Tex.*, Welder); Gyrfalcon, **1** (*Mass.*, Cape Ann); Prairie Falcon, 3 (*Mont.*, Great Falls; *Calif.*, Orange Co., northeastern); Peregrine Falcon, **15** (*Fla.*, Coot Bay); Pigeon Hawk, 5 (*Alta.*, Calgary); Sparrow Hawk, 257 (*Calif.*, Sacramento).

Chachalaca, 70 (*Tex.*, Santa Ana); Blue Grouse, 1 (*Mont.*, Ennis; *Wash.*, Olympia); Ruffed Grouse, 31 (*Ont.*, Carleton Place; *Conn.*, Westport; *N. Y.*, Putnam Co.); Greater Prairie Chicken, 17 (*Kans.*, Topeka); Sharp-tailed Grouse, 130 (*Nebr.*, Valentine); Bobwhite, 251 (*Md.*, Annapolis); Scaled Quail, 357 (*Tex.*, Big Spring); California Quail, 681 (*Calif.*, Orange Co., northeastern); Gambel's Quail, 175 (*Ariz.*, Santa Cruz); Mountain Quail, 14 (*Calif.*, Pasadena); Ring-necked Pheasant, 1480 (*S. Dak.*, Huron); Chukar, 14 (*Colo.*, Fort Collins); Gray Partridge, 142 (*Alta.*, Edmonton); Turkey, 150 (*Tex.*, Welder); Whooping Crane, 5 (*Tex.*, Aransas); Sandhill Crane, 7342 (*Tex.*, Stanton); Limpkin, 11 (*Fla.*, St. Marks); King Rail, 93 (*Fla.*, Cocoa); Clapper Rail, **165** (*Fla.*, Jacksonville); Virginia Rail, 11 (*Calif.*, Santa Rosa); Sora, 160 (*Fla.*, Cocoa); Yellow Rail, **1** (*Fla.*, St. Marks); Black Rail, 1 (*Fla.*, Cocoa and Titusville; *Tex.*, Welder); Purple Gallinule, 9 (*Fla.*, Fort Lauderdale and West Palm Beach); Common Gallinule, **398** (*La.*, Sabine); American Coot, 44,250 (*Tex.*, Laguna Atascosa).

American Oystercatcher, 455 (*S. C.*, Charleston); Black Oystercatcher, **64** (*B. C.*, Victoria); Semipalmated Plover, 188 (*Fla.*, Bradenton); Piping Plover, 69 (*Ala.*, Dauphin Island); Snowy Plover, 80 (*Calif.*, Tomales Bay); Wilson's Plover, 79 (*Fla.*, Bradenton); Killdeer, 718 (*Tex.*, Houston); Mountain Plover, 121 (*Calif.*, Orange Co., central); American Golden Plover, 1 (*Fla.*, Tangerine; *Calif.*, Tomales Bay); Black-bellied Plover, 950 (*Calif.*, Oakland); Surfbird, 38 (*B. C.*, Vancouver); Ruddy Turnstone, 395 (*Fla.*, Jacksonville); Black Turnstone, 192 (*Calif.*, Monterey); American Woodcock, 15 (*N. J.*, Cape May); Common Snipe, 516 (*Ariz.*, Phoenix); Long-billed Curlew, 1506 (*Tex.*, Laguna Atascosa); Whimbrel, 27 (*Calif.*, Crystal Springs); Spotted Sandpiper, 29 (*Fla.*, Cocoa); Solitary Sandpiper, 1 (*Fla.*, Cocoa; *Tex.*, Eagle Pass and Freeport); Wandering Tattler, 3 (*Calif.*, Tomales Bay); Willet, 1297 (*Calif.*, Oakland); Greater Yellowlegs, 225 (*Ariz.*, Phoenix); Lesser Yellowlegs, 244 (*La.*, Sabine); Knot, 920 (*Fla.*, Sarasota); Purple Sandpiper, **370** (*Me.*, Deer Isle); Rock Sandpiper, 47 (*B. C.*, Victoria); Pectoral Sandpiper, 1 (*Fla.*, Cocoa); Least Sandpiper, 1270 (*Calif.*, Orange Co., central); Dunlin, 10,252 (*B. C.*, Ladner); Short-billed Dowitcher, 714 (*Calif.*, San Jose); Long-billed Dowitcher, 373 (*Calif.*, Orange Co., central); Stilt Sandpiper, 11 (*Tex.*, Santa Ana); Semipalmated Sandpiper, 1320 (*Fla.*, Coot Bay); Western Sandpiper, 6334 (*Calif.*, Oakland); Marbled Godwit, 772 (*Calif.*, Oakland); Sanderling, 1000 (*Del.*, Rehoboth); American Avocet, 2840 (*Calif.*, Palo Alto); Black-necked Stilt, 69 (*Calif.*, Palo Alto); Red Phalarope, 46 (*Calif.*, Orange Co., central); Wilson's Phalarope, **15** (*Tex.*, LaSal Vieja); Northern Phalarope, 40 (*Calif.*, San Diego); Pomarine Jaeger, 1 (*Fla.*, Cocoa); Parasitic Jaeger, 2 (*Fla.*, Cocoa); jaeger (sp.), 5 (*Fla.*, Cocoa).

Glaucous Gull, **25** (*Ont.*, Kingston); Iceland Gull, 9 (*N. S.*, Cole Harbour); Glaucous-winged Gull, 23,049 (*B. C.*, Vancouver); Great Black-backed Gull, 1699 (*Mass.*, Cape Cod); Western Gull, 1722 (*Calif.*, San Francisco); Herring Gull, 42,000 (*Mass.*, Quincy); California Gull, 3000 (*Calif.*, Crystal Springs); Ring-billed Gull, 30,830 (*Ohio*, Elyria); Mew Gull, **9741** (*B. C.*, Vancouver); Black-headed Gull, **18** (*N. S.*, Cole Harbour); Laughing Gull, 1429 (*Fla.*, Coot Bay); Franklin's Gull, 10 (*Tex.*, Aransas); Bonaparte's Gull, 3100 (*N. Y.*, Manhattan); Heermann's Gull, 473 (*Calif.*, Monterey);

Black-legged Kittiwake, 67 (*N. Y.*, Montauk); Gull-billed Tern, 34 (*La.*, Sabine); Forster's Tern, **903** (*Tex.*, Houston); Common Tern, 18 (*Tex.*, Laguna Atascosa); **Sooty Tern, 2** (*Fla.*, Key West); Royal Tern, 620 (*Fla.*, St. Petersburg); Sandwich Tern, 22 (*Fla.*, Lower Keys); Caspian Tern, 111 (*Ala.*, Dauphin Island); Black Tern, **12** (*Ala.*, Mobile); Black Skimmer, 2776 (*Fla.*, Coot Bay); Razorbill, 82 (*Mass.*, Cape Ann); Common Murre, 176 (*B. C.*, Victoria); Thick-billed Murre, 10 (*N. B.*, Lepreau); Dovekie, 13 (*Mass.*, Cape Ann); Black Guillemot, 52 (*Me.*, Deer Isle); Pigeon Guillemot, 47 (*Calif.*, Tomales Bay); Marbled Murrelet, 64 (*B. C.*, Victoria); **Kittlitz's Murrelet,** 1 (*Alaska*, Homer); Ancient Murrelet, 52 (*B. C.*, Victoria); Cassin's Auklet, 3 (*B. C.*, Victoria); Rhinoceros Auklet, 10 (*Calif.*, Monterey).

White-crowned Pigeon, 1 (*Fla.*, Key West); Band-tailed Pigeon, 760 (*Calif.*, Morro Bay); Red-billed Pigeon, **40** (*Tex.*, LaSal Vieja); White-winged Dove, 6 (*Ariz.*, Nogales); Mourning Dove, 13,067 (*Ariz.*, Phoenix); Spotted Dove, 136 (*Calif.*, San Bernardino); Ringed Turtle Dove, 15 (*Fla.*, St. Petersburg); Ground Dove, 150 (*Fla.*, Fort Lauderdale); Inca Dove, 428 (*Ariz.*, Phoenix); White-fronted Dove, 20 (*Tex.*, Santa Ana); Mangrove Cuckoo, **2** (*Fla.*, Coot Bay); Roadrunner, 20 (*Ariz.*, Phoenix); Smooth-billed Ani, **96** (*Fla.*, Fort Lauderdale); Groove-billed Ani, 10 (*La.*, New Orleans); Barn Owl, 11 (*La.*, Sabine); Screech Owl, 38 (*Pa.*, Glenolden); Great Horned Owl, 51 (*Md.*, Lower Kent Co.); Snowy Owl, 15 (*Ont.*, Kingston); Hawk-Owl, 1 (*Ont.*, Deep River, Hamilton and Kirkland Lake); Pygmy Owl, 5 (*Calif.*, Yosemite); Ferruginous Owl, 1 (*Tex.*, Bentsen); Burrowing Owl, 19 (*Oreg.*, Medford); Barred Owl, 15 (*La.*, Shreveport); Spotted Owl, **2** (*Calif.*, Tomales Bay); Great Gray Owl, 3 (*Oreg.*, Fort Klamath); Long-eared Owl, **65** (*Ont.*, Hamilton); Short-eared Owl, 62 (*Ont.*, Hamilton); Saw-whet Owl, 3 (*Calif.*, Tomales Bay).

Chuck-will's-widow, **2** (*Fla.*, Key Largo and West Palm Beach); Whip-poor-will, 2 (*Fla.*, Fort Pierce); Pauraque, 3 (*Tex.*, Alice and Santa Ana); Common Nighthawk, 1 (*La.*, New Orleans); White-throated Swift, 114 (*Calif.*, Morro Bay); Ruby-throated Hummingbird, 10 (*Fla.*, Key Largo); Black-chinned Hummingbird, 10 (*Calif.*, San Bernardino); Costa's Hummingbird, 2 (*Calif.*, San Diego); Anna's Hummingbird, 261 (*Calif.*, Orange Co., northeastern); Rufous Hummingbird, 2 (*Calif.*, San Diego); Allen's Hummingbird, 1 (*Calif.*, San Diego and San Francisco); Buff-bellied Hummingbird, **1** (*Tex.*, Laguna Atascosa); Belted Kingfisher, **259** (*Fla.*, Coot Bay); Green Kingfisher, 6 (*Tex.*, Del Rio).

Yellow-shafted Flicker, 175 (*Okla.*, Tulsa); Red-shafted Flicker, 413 (*Calif.*, Sacramento); Gilded Flicker, 20 (*Ariz.*, Santa Cruz); Pileated Woodpecker, **52** (*Ga.*, Okefenokee); Red-bellied Woodpecker, 133 (*Ohio*, Cincinnati); Golden-fronted Woodpecker, **104** (*Tex.*, San Antonio); Gila Woodpecker, 103 (*Ariz.*, Santa Cruz); Red-headed Woodpecker, 167 (*Mo.*, Orchard Farm); Acorn Woodpecker, 426 (*Calif.*, Chico); Lewis' Woodpecker, **142** (*Calif.*, Chico); Yellow-bellied Sapsucker, 44 (*La.*, St Francisville); Williamson's Sapsucker, 1 (*N. Mex.*, Silver City; *Calif.*, Angwin and Death Valley); Hairy Woodpecker, 85 (*Mass.*, Springfield); Downy Woodpecker, 333 (*Ohio*, Cincinnati); Ladder-backed Woodpecker, 66 (*Tex.*, Santa Ana); Nuttall's Woodpecker, 28 (*Calif.*, Sacramento); Arizona Woodpecker, 2 (*Ariz.*, Santa Catalina Mts.); Red-cockaded Woodpecker, 17 (*Ga.*, Okefenokee); White-headed Woodpecker, 7 (*Calif.*, Yosemite); Black-backed Three-toed Woodpecker, 3 (*Ont.*, Toronto; *N. Y.*, Syracuse; *Wis.*, Hiles); Northern Three-toed Woodpecker, 2 (*Alaska*, Cohoe).

Rose-throated Becard, **4** (*Tex.*, Bentsen); Gray Kingbird, **2** (*Fla.*, Bradenton); Tropical Kingbird, 31 (*Tex.*, Bentsen); Cassin's Kingbird, 18 (*Calif.*, Orange Co., northeastern); Western Kingbird, 21 (*Tex.*, Bentsen); Scissor-tailed Flycatcher, 15 (*Fla.*, Key West); Kiskadee Flycatcher, 69 (*Tex.*, Santa Ana); Great Crested Flycatcher, 29 (*Fla.*, Coot Bay); Ash-throated Flycatcher, 5 (*Ariz.*, Sierra Pinta); Eastern Phoebe, 170 (*Fla.*, Fort Lauderdale); Black Phoebe, 88 (*Calif.*, Tomales Bay); Say's Phoebe, 39 (*Calif.*, Tomales Bay); Western Flycatcher, **1** (*Calif.*, Morro Bay); empidonax (sp.), 3 (*Fla.*, Fort Lauderdale); Vermilion Flycatcher, 36 (*Ariz.*, Phoenix); Beardless Flycatcher, 4 (*Tex.*, Bentsen); Skylark, 65 (*B. C.*, North Saanich); Horned Lark, **51,697** (*N. Dak.*, Des Lacs); Violet-green Swallow, 5 (*Calif.*, Angwin); Tree Swallow, **150,102** (*Fla.*, Tangerine); Rough-winged Swallow, **1475** (*Fla.*, Fort Lauderdale); Barn Swallow, 2 (*Fla.*, Coot Bay; *Calif.*, Contra Costa Co.); Purple Martin, 1 (*Fla.*, West Palm Beach).

Gray Jay, 17 (*Colo.*, Idaho Springs); Blue Jay, 884 (*Mass.*, Northampton); Steller's Jay, 294 (*Colo.*, Colorado Springs); Scrub Jay, 530 (*Calif.*, Los Angeles); Mexican Jay, 78 (*N. Mex.*, Silver City); Green Jay, 131 (*Tex.*, Santa Ana); Black-billed Magpie, 950 (*Colo.*, Monte Vista); Yellow-billed Magpie, 723 (*Calif.*, Sacramento); Common Raven, 219 (*N. Mex.*, Las Vegas); White-necked Raven, 187 (*Tex.*, Stanton); Common Crow, 15,000 (*Wis.*, Hales Corner); Northwestern Crow, 901 (*B. C.*, Victoria); Fish Crow, 6000 (*Fla.*, Cocoa); Piñon Jay, **2044** (*N. Mex.*, Santa Fe); Clark's Nutcracker, **119** (*Calif.*, Yosemite).

Black-capped Chickadee, 1326 (*Conn.*, Westport); Carolina Chickadee, 853 (*Ohio*, Cincinnati); Mountain Chickadee, 153 (*Wyo.*, Cheyenne); Boreal Chickadee, 38 (*Alaska*, Anchorage); Chestnut-backed Chickadee, 261 (*B. C.*, Victoria); Tufted Titmouse, 476 (*N. J.*, Great Swamp); Black-crested Titmouse, 73 (*Tex.*, Western Travis Co.); Plain Titmouse, 101 (*Calif.*, Orange Co., northeastern); Bridled Titmouse, 8 (*Ariz.*, Phoenix); Verdin, 99 (*Ariz.*, Phoenix); Common Bushtit, 593 (*Calif.*, Orange Co., northeastern); Black-eared Bushtit, **1** (*Tex.*, Big Bend); White-breasted Nuthatch, 234 (*Conn.*, Westport); Red-breasted Nuthatch, 90 (*Oreg.*, Fort Klamath);

Brown-headed Nuthatch, 230 (*Md.*, St. Michaels); Pigmy Nuthatch, **394** (*Wash.*, Spokane); Brown Creeper, 77 (*Ohio*, Buckeye Lake).

Wrentit, 290 (*Calif.*, Los Angeles); Dipper, 33 (*Colo.*, Rocky Mountain); House Wren, **167** (*Fla.*, Cocoa); Winter Wren, 70 (*B. C.*, Victoria); Bewick's Wren, 78 (*Calif.*, Tomales Bay); Carolina Wren, 227 (*Tex.*, Freeport); Cactus Wren, 42 (*Ariz.*, Santa Catalina Mts.); Long-billed Marsh Wren, 39 (*Calif.*, Contra Costa Co.); Short-billed Marsh Wren, 36 (*Ala.*, Dauphin Island); Cañon Wren, 25 (*Tex.*, Davis Mts.); Rock Wren, **44** (*Tex.*, Davis Mts.); Mockingbird, 455 (*Calif.*, Los Angeles); Catbird, 164 (*Fla.*, Cocoa); Brown Thrasher, 110 (*La.*, Shreveport); Long-billed Thrasher, 43 (*Tex.*, Santa Ana); Bendire's Thrasher, 6 (*Ariz.*, Santa Cruz); Curve-billed Thrasher, 92 (*Ariz.*, Santa Cruz); California Thrasher, 49 (*Calif.*, Los Angeles and Morro Bay); Le Conte's Thrasher, 1 (*Calif.*, Death Valley); Crissal Thrasher, 6 (*Tex.*, El Paso; *Ariz.*, Santa Cruz); Sage Thrasher, 28 (*Tex.*, Big Spring).

Robin, **800,000** (*Tenn.*, Nashville); Varied Thrush, 1223 (*Calif.*, Oakland); Wood Thrush, 1 (*Ala.*, Dauphin Island; *Tex.*, Bentsen and Houston); Hermit Thrush, 174 (*Calif.*, Tomales Bay); Swainson's Thrush, 2 (*Tex.*, Bentsen); Eastern Bluebird, 175 (*Conn.*, Westport); Western Bluebird, 334 (*Oreg.*, Medford); Mountain Bluebird, 570 (*Okla.*, Kenton); Townsend's Solitaire, 190 (*N. Mex.*, Santa Fe); Blue-gray Gnatcatcher, **666** (*Tex.*, Houston); Black-tailed Gnatcatcher, 9 (*Ariz.*, Sierra Pinta); Golden-crowned Kinglet, 286 (*Oreg.*, Portland); Ruby-crowned Kinglet, 462 (*Tex.*, Houston); Water Pipit, 3000 (*S. C.*, Santee); Sprague's Pipit, 91 (*La.*, Sabine); Bohemian Waxwing, 5022 (*Wash.*, Spokane); Cedar Waxwing, 1530 (*Calif.*, Orange Co., northeastern); Phainopepla, 21 (*Ariz.*, Imperial); Northern Shrike, 11 (*N. Y.*, Syracuse; *Wash.*, Spokane); Loggerhead Shrike, 234 (*Tex.*, Houston); Starling, 1,300,000 (*S. C.*, Clemson); Crested Myna, **1632** (*B. C.*, Vancouver).

White-eyed Vireo, 74 (*Fla.*, Coot Bay); Hutton's Vireo, 23 (*Calif.*, Morro Bay); Gray Vireo, 1 (*Ariz.*, Sierra Pinta); Yellow-throated Vireo, 3 (*Fla.*, Coot Bay; *Tex.*, Bentsen); Solitary Vireo, **32** (*Fla.*, Coot Bay); Black-and-white Warbler, 26 (*Fla.*, Key Largo); Orange-crowned Warbler, 109 (*Tex.*, Houston); Nashville Warbler, 6 (*Tex.*, Bentsen and Santa Ana); **Virginia's Warbler,** 1 (*Tex.*, Laguna Atascosa); Parula Warbler, 40 (*Fla.*, Coot Bay); Olive-backed Warbler, 3 (*Tex.*, Bentsen); Yellow Warbler, 3 (*Fla.*, Key Largo); Magnolia Warbler, 2 (*Fla.*, St. Petersburg; *Tex.*, Santa Ana); Cape May Warbler, 1 (*Fla.*, Fort Pierce); Black-throated Blue Warbler, 5 (*Fla.*, West Palm Beach); Myrtle Warbler, 4644 (*S. C.*, Charleston); Audubon's Warbler, 2224 (*Calif.*, Orange Co., northeastern); Black-throated Gray Warbler, 1 (*Calif.*, Palo Alto); Townsend's Warbler, 26 (*Calif.*, Monterey); Black-throated Green Warbler, 1 (*Fla.*, Coot Bay, Fort Lauderdale, and West Palm Beach; *La.*, New Orleans); Hermit Warbler, 1 (*Calif.*, Monterey); Yellow-throated Warbler, 31 (*Fla.*, Coot Bay); Bay-breasted Warbler, **1** (*Fla.*, Cocoa); Pine Warbler, 320 (*Ga.*, Columbus); Prairie Warbler, 60 (*Fla.*, Coot Bay); Palm Warbler, 1150 (*Fla.*, Cocoa); Ovenbird, 7 (*Fla.*, Fort Pierce and Key Largo); Northern Waterthrush, 9 (*Fla.*, Lower Keys); Kentucky Warbler, **1** (*Fla.*, Coot Bay); Yellowthroat, 374 (*Fla.*, Cocoa); Yellow-breasted Chat, 4 (*Fla.*, Coot Bay); Wilson's Warbler, 3 (*La.*, Venice; *Tex.*, Freeport); American Redstart, 3 (*Fla.*, Key Largo and St. Petersburg); Painted Redstart, **1** (*Ariz.*, Atascosa Peak).

House Sparrow, 54,805 (*Ariz.*, Phoenix); European Tree Sparrow, 106 (*Mo.*, Orchard Farm); Eastern Meadowlark, 1200 (*S. C.*, Santee); Western Meadowlark, 2765 (*Ariz.*, Phoenix); Yellow-headed Blackbird, 28,527 (*Ariz.*, Phoenix); Redwinged Blackbird, **10,000,000** (*Va.*, Norfolk Co.); Tricolored Blackbird, 300 (*Calif.*, San Diego); Orchard Oriole, 1 (*Va.*, Newport News; *Ala.*, Birmingham); Black-headed Oriole, 8 (*Tex.*, Bentsen); Hooded Oriole, 5 (*Tex.*, Santa Ana); Lichtenstein's Oriole, **9** (*Tex.*, Bentsen); Baltimore Oriole, 7 (*N. C.*, Chapel Hill); Bullock's Oriole, 2 (*Fla.*, Key West); Rusty Blackbird, **300,000** (*S. C.*, Clemson); Brewer's Blackbird 33,032 (*Ariz.*, Phoenix); Boat-tailed Grackle, 6283 (*Tex.*, Laguna Atascosa); Common Grackle, 5,000,000 (*Va.*, Norfolk Co.); Brown-headed Cowbird, **460,000** (*Md.*, Ocean City); Bronzed Cowbird, 477 (*Tex.*, LaSal Vieja); Western Tanager, **2** (*Calif.*, San Diego); Scarlet Tanager, **1** (*Fla.*, Key Largo); Summer Tanager, 1 (*Calif.*, Oakland).

Cardinal, 1146 (*Ohio*, Cincinnati); Pyrrhuloxia, 86 (*Tex.*, Odessa); Black-headed Grosbeak, 1 (*N. J.*, Cape May; *Tex.*, Santa Ana); Blue Grosbeak, 1 (*Conn.*, New London; *Va.*, Little Creek; *Tex.*, Welder); Indigo Bunting, **106** (*Fla.*, Fort Lauderdale); Lazuli Bunting, 3 (*Ariz.*, Nogales); Painted Bunting, **163** (*Fla.*, Fort Lauderdale); Dickcissel, 5 (*Conn.*, Storrs); Evening Grosbeak, 444 (*B. C.*, Vancouver); Purple Finch, 584 (*Wis.*, Hiles); Cassin's Finch, 351 (*Colo.*, Jefferson Co.); House Finch, 10,592 (*Calif.*, Orange Co., central); White-collared Seedeater, 49 (*Tex.*, Santa Ana); Pine Grosbeak, 368 (*Alaska*, Anchorage); Gray-crowned Rosy Finch, 341 (*Wyo.*, Casper); Black Rosy Finch, 1 (*Colo.*, Idaho Springs and Rocky Mountain); Brown-capped Rosy Finch, 27 (*Colo.*, Rocky Mountain); Hoary Redpoll, 15 (*Alaska*, Cohoe); Common Redpoll, 1461 (*Alaska*, Anchorage); Pine Siskin, 1219 (*Wash.*, Seattle); American Goldfinch, 3364 (*Calif.*, Sacramento); Lesser Goldfinch, 1262 (*Calif.*, Orange Co., central); Lawrence's Goldfinch, 79 (*Calif.*, Orange Co., central); Red Crossbill, 303 (*Wis.*, Hiles); White-winged Crossbill, 327 (*N. H.*, Pittsburg).

Olive Sparrow, 18 (*Tex.*, Laguna Atascosa); Green-tailed Towhee, 15 (*Ariz.*, Santa Cruz); Rufous-sided Towhee, 290 (*Fla.*, Jacksonville); Brown Towhee 698 (*Calif.*, Los Angeles); Abert's Towhee, 38 (*Ariz.*, Phoenix); Lark Bunting, 3000 (*Tex.*, Carrizo Springs); Ipswich Sparrow, 8 (*N. J.*, Cape May); Savannah Sparrow, 1769 (*Calif.*, Sacramento); Grass-

hopper Sparrow, 22 (*Fla.*, Coot Bay); Baird's Sparrow, 5 (*Tex.*, Midland); Le Conte's Sparrow, 24 (*Miss.*, Fort Adams); Henslow's Sparrow, 6 (*N. C.*, Wilmington; *Fla.*, Fort Lauderdale); Sharp-tailed Sparrow, 72 (*Va.*, Little Creek); Seaside Sparrow, 44 (*La.*, Sabine); Dusky Seaside Sparrow, 2 (*Fla.*, Titusville); Vesper Sparrow, 190 (*Tex.*, San Antonio); Lark Sparrow, 386 (*Calif.*, Orange Co., northeastern); Rufous-winged Sparrow, 2 (*Ariz.*, Santa Catalina Mts. and Santa Cruz); Rufous-crowned Sparrow, 31 (*Tex.*, Big Bend); Bachman's Sparrow, 7 (*Ala.*, Birmingham); Cassin's Sparrow, 3 (*Tex.*, Welder); Black-throated Sparrow, 145 (*Tex.*, Del Rio); Sage Sparrow, 47 (*Ariz.*, Sierra Pinta); White-winged Junco, 70 (*S. Dak.*, Rapid City); Slate-colored Junco, 1623 (*N. J.*, Northwestern Gloucester Co.); Oregon Junco, 2702 (*Calif.*, Sacramento); Gray-headed Junco, **1258** (*N. Mex.*, Las Vegas); Mexican Junco, 40 (*Ariz.*, Santa Catalina Mts.); Tree Sparrow, 3650 (*Kans.*, Quivira); Chipping Sparrow, 364 (*Ga.*, Okefenokee); Clay-colored Sparrow, 67 (*Tex.*, Eagle Pass); Brewer's Sparrow, 214 (*Ariz.*, Phoenix); Field Sparrow, 656 (*S. C.*, Clemson); Black-chinned Sparrow, 6 (*Tex.*, Davis Mts.); Harris' Sparrow, 355 (*Kans.*, Wichita); White-crowned Sparrow, 17,633 (*Ariz.*, Phoenix); Golden-crowned Sparrow, 1427 (*Calif.*, Sacramento); White-throated Sparrow, 2888 (*Md.*, St. Michaels); Fox Sparrow, 235 (*N. C.*, Wilmington); Lincoln's Sparrow, 251 (*Tex.*, San Antonio); Swamp Sparrow, 793 (*Va.*, Back Bay); Song Sparrow, 943 (*B. C.*, Vancouver); McCown's Longspur, 509 (*Tex.*, Friona); Lapland Longspur, 5551 (*N. Dak.*, Des Lacs); Smith's Longspur, 30 (*Tex.*, Tyler); Chestnut-collared Longspur, **3000** (*Kans.*, Quivira); Snow Bunting, **55,839** (*N. Dak.*, Des Lacs).

CONTINENTAL BALD EAGLE RESEARCH AND CONSERVATION PROJECT

The Eagle Nesting Season Is Under Way

The National Audubon Society last fall launched a cooperative project to assess the true status of the Bald Eagle and to discover, if possible, productivity factors which may be amenable to amelioration by man.

This represents an extension of earlier work done in Florida and will cover as much of North America as can be surveyed in the five years allotted to this project.

Phase I (already under way):

This will consist of an inventory of eagle numbers based primarily on the number of active nests in existence. This tremendous task will be undertaken through the medium of a mail questionnaire; with the cooperation of many federal, state, and private agencies and organizations (some of which already have local eagle surveys under way); and of interested individuals. Concurrently, through the use of another questionnaire, an investigation of the numbers of wintering eagles will be conducted.

Phase II:

This study will consist of more detailed studies of various aspects of eagle biology—such as productivity—testing the sterility hypotheses advanced by the late Charles L. Broley and providing clues for actual "management" of eagles and their habitat. Some of these detailed studies may be carried out through fellowship arrangements with universities.

Please Remember to Report Active Nests to:

Alexander Sprunt IV
National Audubon Society
Box 231
Tavernier, Fla.

CHRISTMAS BIRD COUNT RULES

READ CAREFULLY!

REPORTS NOT ADHERING TO RULES WILL BE REJECTED

1. **Report forms supplied by Audubon Field Notes must be used.** Any other presentation will be returned. If a compiler has not received a form one month before count week, he should request one.

2. **These forms will be used by the printer.** You are submitting a manuscript so do a neat and careful job. After each species positively identified indicate the number of individuals recorded. Do not include birds found dead. Then, using a **red** pencil, draw a heavy line through each species not recorded. **Type, or print clearly,** indicating distinctly letters to be capitalized—this is especially important in the introductory, descriptive material. Condense introductory material as much as clarity permits and **place information in the correct space allotted in the form.**

3. **A count area must fill (preferably) or fit within a 15-mile diameter circle.** Compilers should recheck areas as the editor must reject any exceeding the prescribed limits.

4. Counts must be made during the period as announced each year in **Audubon Field Notes** and must cover only one calendar day. Reports not reaching the National Audubon Society, 1130 Fifth Avenue, New York 28, New York, by January 15th cannot be accepted.

5. Dawn to dusk or longer counts are preferred and **those of less than 8 hours duration (except in Arctic areas or on pelagic counts) will not be printed.**

6. Birds whose occurrence is of special interest should be underscored with a wavy line to indicate boldface type. Should abundance be the noteworthy item underscore only the number recorded. If birds unusual for your area around Christmas are reported, **a sheet must accompany the report giving satisfactory details of such observations.**

7. The ruled lines at the end of the form are to be used **only** for:

   1. Species not seen on count day but during official count period (list species **in correct checklist order.** Do not list dates or numbers).
   2. All participants **who have paid their $.50 fee listed alphabetically.** Do **not** place addresses here—a separate sheet listing all participants and addresses is required for Audubon House files.

8. Do not initiate a new count in an area near one already established (established counts have priority). Preferably help a nearby group make a more thorough count. Compilers of established counts should check neighboring ones to make sure there is no duplication of territory covered. **The editor must reject counts where overlapping occurs.**

9. Before starting a report, it is suggested that the compiler **place the preceding issue of the Christmas Bird Count before him and use it as a guide.** Before mailing the form, recheck to make sure everything is correct and no items omitted. Please **double-check** your addition of (1) number of species seen; (2) number of individual birds seen; (3) number of persons participating in the count.

10. Because of skyrocketing costs, **Audubon Field Notes** finds it necessary to ask every observer to pay an entry fee of $.50 (fifty cents) for each count in which he participates. It is the compiler's responsibility to send in with his report $.50 (fifty cents) for each participant whose name is listed at the end of the count.

PLEASE GIVE DEFINITE CENTER FOR YOUR COUNT AREA

CHRISTMAS BIRD COUNT DATES

Wednesday, December 20, 1961 through Monday, January 1, 1962

(deadline for copy — January 15, 1962)

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